

101	14.8	67.3	30001	2	US-08-474-9331-1	Sequence 1, Appli	174	14.6	66.4	80632	4	US-09-949-016-12951	Sequence 12951, A
102	14.8	67.3	33272	4	US-09-949-016-16949	Sequence 16949, A	c 175	14.6	66.4	87736	4	US-09-949-016-17521	Sequence 17521, A
c 103	14.8	67.3	33755	4	US-09-949-016-15889	Sequence 15889, A	c 176	14.6	66.4	89714	4	US-09-949-016-11900	Sequence 11900, A
104	14.8	67.3	50453	4	US-09-949-016-15642	Sequence 16422, A	c 177	14.6	66.4	105679	4	US-09-949-016-12360	Sequence 12360, A
105	14.8	67.3	52424	4	US-09-949-016-14866	Sequence 12486, A	c 178	14.6	66.4	107679	4	US-09-949-016-16409	Sequence 16409, A
c 106	14.8	67.3	52792	4	US-09-596-002-31	Sequence 31, Appli	c 179	14.6	66.4	121049	4	US-09-949-016-17513	Sequence 17513, A
c 107	14.8	67.3	76164	4	US-09-949-016-12288	Sequence 12288, A	c 180	14.6	66.4	166698	4	US-09-949-016-16038	Sequence 16038, A
c 108	14.8	67.3	76165	4	US-09-949-016-14005	Sequence 14005, A	c 181	14.6	66.4	202111	4	US-09-949-016-13877	Sequence 13877, A
c 109	14.8	67.3	135171	4	US-09-949-016-15617	Sequence 15617, A	c 182	14.6	66.4	242729	4	US-09-949-016-17590	Sequence 17590, A
c 110	14.8	67.3	4403765	3	US-09-103-840A-2	Sequence 2, Appli	c 183	14.6	66.4	251769	4	US-09-949-016-13185	Sequence 13185, A
c 111	14.8	67.3	4411529	3	US-09-103-840A-1	Sequence 1, Appli	c 184	14.6	66.4	251769	4	US-09-949-016-13186	Sequence 13186, A
c 112	14.8	66.4	381	4	US-09-710-279-2093	Sequence 2093, Ap	c 185	14.6	66.4	26748	4	US-09-949-016-13187	Sequence 13187, A
c 113	14.6	66.4	394	4	US-09-270-767-6802	Sequence 6802, Ap	c 186	14.6	66.4	26748	4	US-09-949-016-13188	Sequence 13188, A
c 114	14.6	66.4	394	4	US-09-270-767-22084	Sequence 22084, A	c 187	14.6	66.4	312470	4	US-09-949-016-14043	Sequence 14043, A
c 115	14.6	66.4	483	3	US-09-171-461-37	Sequence 37, Appli	c 188	14.6	66.4	336024	4	US-09-949-016-12373	Sequence 12373, A
c 116	14.6	66.4	483	3	US-09-970-711-37	Sequence 37, Appli	c 189	14.6	66.4	784019	4	US-09-949-016-14033	Sequence 14033, A
c 117	14.6	66.4	601	4	US-09-949-016-20884	Sequence 20884, A	c 190	14.6	66.4	784019	4	US-09-751-389-3	Sequence 3, Appli
c 118	14.6	66.4	601	4	US-09-949-016-20885	Sequence 20885, A	c 191	14.6	66.4	82152	4	US-09-949-016-12777	Sequence 12777, A
c 119	14.6	66.4	601	4	US-09-949-016-42183	Sequence 42183, A	c 192	14.6	65.5	480	4	US-09-513-999C-32555	Sequence 32555, A
c 120	14.6	66.4	601	4	US-09-949-016-42184	Sequence 42184, A	c 193	14.4	65.5	420	4	US-09-893-737-307	Sequence 307, App
c 121	14.6	66.4	601	4	US-09-949-016-42185	Sequence 42185, A	c 194	14.4	65.5	601	4	US-09-949-016-137812	Sequence 137812, A
c 122	14.6	66.4	601	4	US-09-949-016-42185	Sequence 42185, A	c 195	14.4	65.5	601	4	US-09-949-016-137813	Sequence 137813, A
c 123	14.6	66.4	601	4	US-09-949-016-56397	Sequence 56397, A	c 196	14.4	65.5	601	4	US-09-949-016-171902	Sequence 171902, A
c 124	14.6	66.4	601	4	US-09-949-016-56398	Sequence 56398, A	c 197	14.4	65.5	927	4	US-09-540-236-320	Sequence 320, App
c 125	14.6	66.4	601	4	US-09-949-016-73216	Sequence 73216, A	c 198	14.4	65.5	1072	4	US-08-956-171E-435	Sequence 435, App
c 126	14.6	66.4	601	4	US-09-949-016-73217	Sequence 73217, A	c 199	14.4	65.5	1072	4	US-08-781-986A-435	Sequence 435, App
c 127	14.6	66.4	601	4	US-09-949-016-73218	Sequence 73218, A	c 200	14.4	65.5	1647	4	US-09-328-352-3783	Sequence 3783, Ap
c 128	14.6	66.4	601	4	US-09-949-016-73219	Sequence 73219, A	c 201	14.4	65.5	3447	4	US-09-248-796A-2364	Sequence 2364, Ap
c 129	14.6	66.4	601	4	US-09-949-016-78275	Sequence 78275, A	c 202	14.4	65.5	7176	3	US-09-221-017B-6226	Sequence 626, App
c 130	14.6	66.4	601	4	US-09-949-016-152990	Sequence 152990, A	c 203	14.4	65.5	14237	4	US-09-949-016-12931	Sequence 12931, A
c 131	14.6	66.4	601	4	US-09-949-016-176543	Sequence 176543, A	c 204	14.4	65.5	100848	4	US-09-596-002-39	Sequence 39, Appli
c 132	14.6	66.4	657	4	US-09-543-681A-1684	Sequence 1684, Ap	c 205	14.4	65.5	232547	4	US-09-949-016-16603	Sequence 16603, A
c 133	14.6	66.4	659	1	US-08-231-342-26	Sequence 26, Appli	c 206	14.2	64.5	38	3	US-09-058-969-12	Sequence 12, Appli
c 134	14.6	66.4	659	1	US-08-231-342-27	Sequence 27, Appli	c 207	14.2	64.5	45	3	US-08-989-251-18	Sequence 18, Appli
c 135	14.6	66.4	659	1	US-08-231-342-27	Sequence 27, Appli	c 208	14.2	64.5	45	3	US-09-340-250-18	Sequence 18, Appli
c 136	14.6	66.4	723	3	US-09-230-380-5	Sequence 5, Appli	c 209	14.2	64.5	45	3	US-09-528-108-18	Sequence 18, Appli
c 137	14.6	66.4	747	4	US-09-252-991A-4417	Sequence 4417, Ap	c 210	14.2	64.5	45	4	US-09-921-398-18	Sequence 18, Appli
c 138	14.6	66.4	828	4	US-09-248-796A-10133	Sequence 10133, A	c 211	14.2	64.5	114	4	US-09-513-999C-22713	Sequence 22713, A
c 139	14.6	66.4	852	4	US-09-328-352-3647	Sequence 3647, Ap	c 212	14.2	64.5	308	4	US-09-313-294A-6610	Sequence 6610, Ap
c 140	14.6	66.4	903	4	US-09-248-796A-9694	Sequence 9694, Ap	c 213	14.2	64.5	314	4	US-09-270-767-26293	Sequence 26293, A
c 141	14.6	66.4	1023	4	US-09-248-796A-828	Sequence 828, Ap	c 214	14.2	64.5	366	4	US-09-489-039A-2044	Sequence 2044, Ap
c 142	14.6	66.4	1074	4	US-09-248-796A-3944	Sequence 3944, Ap	c 215	14.2	64.5	371	4	US-09-471-276-390	Sequence 390, App
c 143	14.6	66.4	1098	4	US-09-252-991A-15756	Sequence 15756, A	c 216	14.2	64.5	396	4	US-09-328-352-680	Sequence 680, App
c 144	14.6	66.4	1242	4	US-09-270-767-10628	Sequence 10628, A	c 217	14.2	64.5	491	1	US-08-133-711-32	Sequence 32, Appli
c 145	14.6	66.4	1366	1	US-08-231-342-22	Sequence 22, Appli	c 218	14.2	64.5	491	1	US-08-133-711-37	Sequence 37, Appli
c 146	14.6	66.4	1384	4	US-09-270-767-11390	Sequence 11390, A	c 219	14.2	64.5	491	1	US-08-133-711-39	Sequence 39, Appli
c 147	14.6	66.4	1627	4	US-09-270-767-16633	Sequence 16633, A	c 220	14.2	64.5	516	4	US-09-902-540-9527	Sequence 9527, Ap
c 148	14.6	66.4	1699	4	US-09-270-767-10470	Sequence 10470, A	c 221	14.2	64.5	566	4	US-09-270-767-8484	Sequence 8484, Ap
c 149	14.6	66.4	2360	4	US-09-949-016-33907	Sequence 33907, Ap	c 222	14.2	64.5	566	4	US-09-270-767-23766	Sequence 23766, A
c 150	14.6	66.4	2361	3	US-08-705-771-7	Sequence 7, Appli	c 223	14.2	64.5	597	4	US-09-902-540-3788	Sequence 3788, Ap
c 151	14.6	66.4	2361	4	US-09-417-540-7	Sequence 7, Appli	c 224	14.2	64.5	601	4	US-09-949-016-25755	Sequence 25755, A
c 152	14.6	66.4	2380	3	US-09-167-109-1	Sequence 1, Appli	c 225	14.2	64.5	601	4	US-09-949-016-25756	Sequence 25756, A
c 153	14.6	66.4	2380	4	US-09-949-016-777	Sequence 777, App	c 226	14.2	64.5	601	4	US-09-949-016-132570	Sequence 132570, A
c 154	14.6	66.4	2380	5	US-09-949-016-777	Sequence 777, App	c 227	14.2	64.5	601	4	US-09-949-016-132570	Sequence 132570, A
c 155	14.6	66.4	2780	4	US-09-489-847-87	Sequence 2, Appli	c 228	14.2	64.5	601	4	US-09-949-016-134205	Sequence 134205, A
c 156	14.6	66.4	2843	4	US-09-854-133-430	Sequence 430, App	c 229	14.2	64.5	601	4	US-09-949-016-134206	Sequence 134206, A
c 157	14.6	66.4	2853	3	US-09-556-601-25	Sequence 25, Appli	c 230	14.2	64.5	601	4	US-09-949-016-136314	Sequence 136314, A
c 158	14.6	66.4	3402	4	US-09-252-991A-15560	Sequence 15560, A	c 231	14.2	64.5	601	4	US-09-949-016-157681	Sequence 157681, A
c 159	14.6	66.4	3543	4	US-09-710-279-3493	Sequence 3493, Ap	c 232	14.2	64.5	601	4	US-09-949-016-157682	Sequence 157682, A
c 160	14.6	66.4	3606	4	US-09-252-991A-15688	Sequence 15688, A	c 233	14.2	64.5	601	4	US-09-949-016-184398	Sequence 184398, A
c 161	14.6	66.4	9668	4	US-09-949-016-4532	Sequence 4532, Ap	c 234	14.2	64.5	601	4	US-09-949-016-184403	Sequence 184403, A
c 162	14.6	66.4	11091	3	US-09-134-001C-2243	Sequence 2243, Ap	c 235	14.2	64.5	601	4	US-09-949-016-184148	Sequence 184148, A
c 163	14.6	66.4	12695	4	US-09-949-016-16775	Sequence 16775, A	c 236	14.2	64.5	601	4	US-09-949-016-184253	Sequence 184253, A
c 164	14.6	66.4	14165	4	US-09-949-016-15850	Sequence 15850, A	c 237	14.2	64.5	601	4	US-09-949-016-196272	Sequence 196272, A
c 165	14.6	66.4	26165	4	US-09-949-016-15649	Sequence 15649, A	c 238	14.2	64.5	601	4	US-09-949-016-196273	Sequence 196273, A
c 166	14.6	66.4	26166	4	US-09-949-016-13519	Sequence 13519, A	c 239	14.2	64.5	601	4	US-09-949-016-196274	Sequence 196274, A
c 167	14.6	66.4	36720	4	US-09-949-016-13476	Sequence 13476, A	c 240	14.2	64.5	601	4	US-09-949-016-196275	Sequence 196275, A
c 168	14.6	66.4	40429	4	US-08-311-731A-125	Sequence 125, App	c 241	14.2	64.5	609	4	US-09-248-796A-4526	Sequence 4526, Ap
c 169	14.6	66.4	43804	3	US-09-171-461-1	Sequence 1, Appli	c 242	14.2	64.5	658	4	US-09-270-767-2877	Sequence 2877, Ap
c 170	14.6	66.4	43804	3	US-09-970-711-1	Sequence 1, Appli	c 243	14.2	64.5	658	4	US-09-270-767-18159	Sequence 18159, A
c 171	14.6	66.4	48108	4	US-09-949-016-13383	Sequence 13383, A	c 244	14.2	64.5	699	3	US-09-134-001C-1609	Sequence 1609, Ap
c 172	14.6	66.4	63588	4	US-09-873-404-3	Sequence 3, Appli	c 245	14.2	64.5	726	4	US-09-248-796A-2837	Sequence 2837, Ap
c 173	14.6	66.4	63588	4	US-10-243-735-3	Sequence 3, Appli	c 246	14.2	64.5	764	4	US-09-270-767-10134	Sequence 10134, A

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 9.43741 Seconds  
(without alignments)  
3814.402 Million cell updates/sec

Title: US-09-912-968A-7

Perfect score: 22

Sequence: 1 caacgttcgtcaagtcaatgc 22

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 819138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%

Listing first 500 summaries

Database :

Issued Patents NA: \*  
1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq: \*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq: \*  
3: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq: \*  
4: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq: \*  
5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq: \*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq: \*

pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query			ID	Description
		Match	Length	DB		
1	22	100.0	197	1	US-08-326-297-4	Sequence 4, Appli
2	22	100.0	137	3	US-08-617-454-4	Sequence 4, Appli
3	22	100.0	137	5	PCT-US94-01144-4	Sequence 4, Appli
4	22	100.0	2124	1	US-08-803-973-11	Sequence 11, Appli
5	22	100.0	2124	1	US-08-803-972-11	Sequence 11, Appli
6	22	100.0	8012	3	US-09-182-117-1	Sequence 1, Appli
7	22	100.0	8012	4	US-09-434-039A-1	Sequence 1, Appli
8	22	100.0	8418	3	US-09-182-117-5	Sequence 5, Appli
9	22	100.0	8418	4	US-09-434-039A-5	Sequence 5, Appli
10	22	100.0	8798	3	US-09-182-117-4	Sequence 4, Appli
11	22	100.0	8798	4	US-09-434-039A-4	Sequence 4, Appli
12	22	100.0	10846	3	US-09-098-219B-5	Sequence 5, Appli
13	22	100.0	10846	4	US-10-164-204-5	Sequence 5, Appli
14	22	100.0	10846	4	US-09-923-109-5	Sequence 5, Appli
15	22	100.0	10900	3	US-09-098-219B-6	Sequence 6, Appli
16	22	100.0	10900	4	US-10-164-204-6	Sequence 6, Appli
17	22	100.0	10900	4	US-09-923-109-6	Sequence 6, Appli
18	22	100.0	11522	4	US-10-052-092-19	Sequence 19, Appli
19	22	100.0	12614	4	US-09-577-424-1	Sequence 1, Appli
c 20	17.2	78.2	1959	3	US-09-201-641-1	Sequence 1, Appli
21	16.4	74.5	624	4	US-09-252-991A-14891	Sequence 14891, A
22	16.4	74.5	1536	4	US-09-252-991A-14740	Sequence 14740, A
23	16.4	74.5	1557	4	US-09-252-991A-15015	Sequence 15015, A
c 24	16.2	73.6	165	4	US-09-270-767-3285	Sequence 3285, Ap
25	16.2	73.6	165	4	US-09-270-767-18567	Sequence 18567, A
c 26	16.2	73.6	553	4	US-09-270-767-4552	Sequence 4552, Ap
27	16.2	73.6	553	4	US-09-270-767-19834	Sequence 19834, A

c 28	16.2	73.6	160759	4	US-09-949-016-16514	Sequence 16514, A
c 29	16.2	73.6	283538	4	US-09-949-016-13506	Sequence 13506, A
c 30	15.8	71.8	8067	1	US-08-117-362-8	Sequence 8, Appli
c 31	15.8	71.8	8067	1	US-08-486-924-8	Sequence 8, Appli
c 32	15.8	71.8	8067	4	US-08-486-924A-8	Sequence 8, Appli
c 33	15.8	71.8	1830121	4	US-09-557-884-1	Sequence 1, Appli
c 34	15.8	71.8	1830121	4	US-09-643-990A-1	Sequence 1, Appli
c 35	15.6	70.9	321	4	US-09-710-279-2391	Sequence 2291, Ap
c 36	15.6	70.9	354	3	US-09-134-001C-787	Sequence 787, App
c 37	15.6	70.9	765	4	US-09-252-991A-10503	Sequence 10503, A
c 38	15.6	70.9	999	4	US-09-252-991A-10554	Sequence 10554, A
c 39	15.6	70.9	1185	4	US-09-134-000C-1361	Sequence 1361, Ap
c 40	15.6	70.9	1734	4	US-09-252-991A-10305	Sequence 10305, A
c 41	15.6	70.9	1875	2	US-08-642-406A-21	Sequence 21, Appli
c 42	15.6	70.9	1875	3	US-09-199-534-21	Sequence 21, Appli
c 43	15.6	70.9	1875	3	US-09-199-534-21	Sequence 21, Appli
c 44	15.6	70.9	2220	4	US-09-248-796A-3629	Sequence 3629, Ap
c 45	15.6	70.9	2378	4	US-09-710-279-4338	Sequence 4338, Ap
c 46	15.6	70.9	2812	1	US-08-920-812-16	Sequence 16, Appli
c 47	15.6	70.9	2812	1	US-08-920-827-16	Sequence 16, Appli
c 48	15.6	70.9	2812	1	US-08-921-177-16	Sequence 16, Appli
c 49	15.6	70.9	2812	1	US-08-362-577C-16	Sequence 16, Appli
c 50	15.6	70.9	2812	2	US-08-920-828-16	Sequence 16, Appli
c 51	15.6	70.9	3046	4	US-09-710-279-3782	Sequence 3782, Ap
c 52	15.6	70.9	3517	2	US-08-642-406A-20	Sequence 20, Appli
c 53	15.6	70.9	3517	3	US-08-434-000A-1	Sequence 1, Appli
c 54	15.6	70.9	3517	3	US-09-312-157-1	Sequence 1, Appli
c 55	15.6	70.9	3517	3	US-09-199-534-20	Sequence 20, Appli
c 56	15.6	70.9	3517	3	US-09-199-534-20	Sequence 20, Appli
c 57	15.6	70.9	3517	3	US-09-717-888-1	Sequence 1, Appli
c 58	15.4	70.0	406	3	US-09-221-017B-244	Sequence 244, App
c 59	15.2	69.1	390	4	US-09-248-796A-6652	Sequence 6652, Ap
c 60	15.2	69.1	630	3	US-09-134-001C-1641	Sequence 1641, Ap
c 61	15.2	69.1	828	4	US-09-328-352-3039	Sequence 3039, Ap
c 62	15.2	69.1	842	4	US-09-270-767-3582	Sequence 3582, Ap
c 63	15.2	69.1	1299	4	US-09-248-796A-18864	Sequence 18864, A
c 64	15.2	69.1	1299	4	US-09-248-796A-5696	Sequence 5696, Ap
c 65	15.2	69.1	2514	3	US-08-655-352-1	Sequence 1, Appli
c 66	15.2	69.1	2514	3	US-09-258-016-1	Sequence 1, Appli
c 67	15.2	69.1	2514	3	US-09-257-825B-1	Sequence 1, Appli
c 68	15.2	69.1	3469	3	US-09-221-017B-106	Sequence 106, App
c 69	15.2	69.1	3592	4	US-09-710-279-4172	Sequence 4172, Ap
c 70	15.2	69.1	7159	4	US-08-956-171E-302	Sequence 302, App
c 71	15.2	69.1	7159	4	US-08-781-986A-302	Sequence 302, App
c 72	15.2	69.1	52457	4	US-09-949-016-12418	Sequence 12418, A
c 73	15.2	69.1	149543	4	US-09-949-016-15947	Sequence 15947, A
c 74	15.2	69.1	152556	4	US-09-949-016-12674	Sequence 12674, A
c 75	15.2	69.1	151261	4	US-09-949-016-13242	Sequence 13242, A
c 76	14.8	67.3	498	4	US-09-893-737-59	Sequence 59, Appli
c 77	14.8	67.3	555	4	US-09-270-767-998	Sequence 998, App
c 78	14.8	67.3	555	4	US-09-270-767-16280	Sequence 16280, A
c 79	14.8	67.3	601	4	US-09-949-016-137811	Sequence 137811
c 80	14.8	67.3	627	4	US-09-252-991A-10859	Sequence 10859, A
c 81	14.8	67.3	1101	4	US-09-328-352-1336	Sequence 1, Appli
c 82	14.8	67.3	1203	4	US-09-889-746-1	Sequence 1, Appli
c 83	14.8	67.3	1224	4	US-09-306-454-6	Sequence 6, Appli
c 84	14.8	67.3	1295	1	US-08-332-747-1	Sequence 1, Appli
c 85	14.8	67.3	1365	4	US-09-543-681A-3545	Sequence 3545, Ap
c 86	14.8	67.3	1444	4	US-09-306-454-8	Sequence 8, Appli
c 87	14.8	67.3	1776	4	US-09-799-451-476	Sequence 476, App
c 88	14.8	67.3	2820	4	US-09-540-236-479	Sequence 479, App
c 89	14.8	67.3	3066	4	US-09-252-991A-10834	Sequence 10834, A
c 90	14.8	67.3	3624	4	US-09-252-991A-10899	Sequence 10899, A
c 91	14.8	67.3	3979	4	US-09-865-621A-4	Sequence 4, Appli
c 92	14.8	67.3	4810	4	US-09-865-621A-3	Sequence 3, Appli
c 93	14.8	67.3	4957	4	US-09-949-016-15289	Sequence 15289, A
c 94	14.8	67.3	5163	4	US-09-865-621A-7	Sequence 7, Appli
c 95	14.8	67.3	5509	4	US-09-865-621A-1	Sequence 1, Appli
c 96	14.8	67.3	5992	4	US-09-949-016-546	Sequence 546, App
c 97	14.8	67.3	5992	4	US-09-949-016-2263	Sequence 2263, Ap
c 98	14.8	67.3	23885	4	US-09-949-016-12600	Sequence 12600, A
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83	17.2	78.2	282	11	US-09-987-899-334	Sequence 334, App	c 156	15.8	71.8	201	19	US-10-741-601-19900	Sequence 19900, A
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95	17.2	78.2	392	11	US-09-987-899-798	Sequence 798, App	c 168	15.8	71.8	1188	18	US-10-251-667-3	Sequence 3, Appl
c 96	17.2	78.2	400	18	US-10-424-599-100577	Sequence 100577, App	c 169	15.8	71.8	1406	9	US-09-070-927A-573	Sequence 573, App
c 97	17.2	78.2	420	18	US-10-424-599-29231	Sequence 29231, A	c 170	15.8	71.8	1509	20	US-10-851-383-124	Sequence 124, App
c 98	17.2	78.2	426	19	US-10-021-323-15875	Sequence 15875, A	c 171	15.8	71.8	1509	21	US-10-903-632-124	Sequence 124, App
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108	17.2	78.2	724	18	US-10-425-114-8224	Sequence 8224, App	c 181	15.8	71.8	61177	19	US-10-741-601-5694	Sequence 5694, App
109	17.2	78.2	725	18	US-10-425-114-11632	Sequence 11632, A	c 182	15.8	71.8	61177	21	US-10-741-601-17768	Sequence 17768, A
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c 133	16.2	73.6	261	20	US-10-425-115-179435	Sequence 179435, App	c 206	15.6	70.9	529	18	US-10-424-599-118755	Sequence 7839, App
c 134	16.2	73.6	592	13	US-10-027-632-150759	Sequence 150759, App	c 207	15.6	70.9	573	9	US-09-770-152-193	Sequence 193, App
135	16.2	73.6	622	21	US-10-027-632-150759	Sequence 150759, App	c 208	15.6	70.9	579	9	US-10-424-599-123588	Sequence 123588, A
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c 143	16.2	73.6	1045	20	US-10-653-047-7111	Sequence 7111, App	c 216	15.6	70.9	632	9	US-09-770-149-677	Sequence 677, App
c 144	16.2	73.6	1371	18	US-10-425-114-20332	Sequence 20332, A	c 217	15.6	70.9	634	13	US-10-027-632-207113	Sequence 207113, A
c 145	16.2	73.6	2632	20	US-10-425-115-25618	Sequence 25618, A	c 218	15.6	70.9	634	17	US-10-027-632-207113	Sequence 344, App
c 146	16.2	73.6	3189	17	US-10-282-122A-33232	Sequence 33232, A	c 219	15.6	70.9	681	9	US-09-770-149-344	Sequence 54, Appl
c 147	16.2	73.6	401433	22	US-10-087-132-1438	Sequence 1438, App	c 220	15.6	70.9	724	18	US-10-333-184-54	Sequence 54, Appl
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c 149	16.2	73.6	401433	22	US-10-765-790-79	Sequence 79, Appl	c 222	15.6	70.9	726	18	US-10-333-184-202	Sequence 931, App
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c 151	16.2	72.7	21	16	US-10-056-229-197	Sequence 197, App	c 224	15.6	70.9	771	9	US-09-770-445-918	Sequence 2635, App
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c 153	15.8	71.8	49	20	US-10-851-383-340	Sequence 340, App	c 226	15.6	70.9	780	9	US-09-770-445-880	

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Run on: July 5, 2005, 11:52:57 ; Search time 97.9016 Seconds  
(without alignments)  
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Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	22	100.0	824	18	US-10-412-699B-1966
5	22	100.0	835	18	US-10-412-699B-1960
6	22	100.0	1008	17	US-10-225-068-101
7	22	100.0	1008	17	US-10-374-780A-93

Sequence 309, App	1008	100.0	22	18	US-10-412-699B-309
Sequence 101, App	1008	100.0	22	21	US-10-225-068-101
Sequence 8, Appli	1998	100.0	22	22	US-10-477-240-8
Sequence 6, Appli	3706	100.0	22	19	US-10-376-763A-6
Sequence 5, Appli	3778	100.0	22	19	US-10-376-763A-5
Sequence 101, App	7129	100.0	22	13	US-10-047-542-101
Sequence 5, Appli	10846	100.0	22	9	US-09-923-109-5
Sequence 5, Appli	10846	100.0	22	15	US-10-164-204-5
Sequence 5, Appli	10846	100.0	22	18	US-10-705-430-5
Sequence 6, Appli	10900	100.0	22	9	US-09-923-109-6
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Sequence 19, Appl	11522	100.0	22	14	US-10-052-092-19
Sequence 19, Appl	11522	100.0	22	16	US-10-437-107-19
Sequence 19, Appl	11522	100.0	22	20	US-10-896-419-19
Sequence 9, Appli	11606	100.0	22	19	US-10-602-475A-9
Sequence 5, Appli	12304	100.0	22	21	US-10-473-945-5
Sequence 4, Appli	12497	100.0	22	21	US-10-473-945-4
Sequence 97, Appl	937	95.5	21	15	US-10-278-536-97
Sequence 253, App	937	95.5	21	18	US-10-412-699B-253
Sequence 1956, Ap	961	95.5	21	18	US-10-412-699B-1956
Sequence 1849, Ap	649	88.2	21	19.4	US-10-487-901-1849
Sequence 5030, Ap	649	88.2	21	19.4	US-10-487-901-5030
Sequence 1712, Ap	762	88.2	21	21	US-10-487-901-1712
Sequence 4119, Ap	762	88.2	21	21	US-10-487-901-4119
Sequence 5046, Ap	1878	88.2	21	21	US-10-487-901-5046
Sequence 1962, Ap	854	85.4	19	34	US-10-412-699B-1962
Sequence 289, App	276	85.5	35	18.8	US-09-987-899-289
Sequence 5042, Ap	654	85.5	36	18.8	US-10-487-901-5042
Sequence 1713, Ap	683	85.5	37	21	US-10-487-901-1713
Sequence 85509, A	704	85.5	20	20	US-10-425-115-85509
Sequence 5045, A	737	85.5	21	21	US-10-487-901-5045
Sequence 5766, Ap	737	85.5	21	21	US-10-487-901-5766
Sequence 1716, Ap	738	85.5	21	21	US-10-487-901-1716
Sequence 5764, Ap	753	85.5	21	21	US-10-487-901-5764
Sequence 5028, Ap	754	85.5	21	21	US-10-487-901-5028
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Sequence 4183, Ap	204	80.9	45	17.8	US-09-864-408A-4183
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Sequence 549, App	230	78.2	11	11	US-09-987-899-549
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Sequence 542, App	241	78.2	11	11	US-09-987-899-542
Sequence 428, App	247	78.2	11	11	US-09-987-899-428
Sequence 449, App	247	78.2	11	11	US-09-987-899-449
Sequence 393, App	249	78.2	11	11	US-09-987-899-393
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Sequence 655, App	252	78.2	11	11	US-09-987-899-655
Sequence 391, App	253	78.2	11	11	US-09-987-899-391
Sequence 416, App	253	78.2	11	11	US-09-987-899-416
Sequence 546, App	253	78.2	11	11	US-09-987-899-546
Sequence 379, App	258	78.2	11	11	US-09-987-899-379
Sequence 383, App	258	78.2	11	11	US-09-987-899-383
Sequence 345, App	259	78.2	11	11	US-09-987-899-345
Sequence 442, App	259	78.2	11	11	US-09-987-899-442
Sequence 656, App	261	78.2	11	11	US-09-987-899-656
Sequence 336, App	266	78.2	11	11	US-09-987-899-336
Sequence 514, App	266	78.2	11	11	US-09-987-899-514
Sequence 333, App	267	78.2	11	11	US-09-987-899-333
Sequence 370, App	267	78.2	11	11	US-09-987-899-370
Sequence 637, App	267	78.2	11	11	US-09-987-899-637
Sequence 26487, A	268	78.2	18	18	US-10-424-599-26487
Sequence 381, App	269	78.2	11	11	US-09-987-899-381
Sequence 315, App	271	78.2	11	11	US-09-987-899-315
Sequence 317, App	272	78.2	11	11	US-09-987-899-317
Sequence 66725, A	274	78.2	18	18	US-10-424-599-66725



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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 312.549 Seconds  
(without alignments)  
4030.848 Million cell updates/sec

Title: US-09-912-968A-8

Perfect score: 26

Sequence: 1 tgccataactcgaactcagtagga 26

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 9416466

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

GenEmbl:\*

1: gb\_ba:\*

2: gb\_htg:\*

3: gb\_in:\*

4: gb\_om:\*

5: gb\_ov:\*

6: gb\_pat:\*

7: gb\_ph:\*

8: gb\_pl:\*

9: gb\_pr:\*

10: gb\_ro:\*

11: gb\_sts:\*

12: gb\_sy:\*

13: gb\_un:\*

14: gb\_vl:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	26	AX555236	AX555236 Sequence
2	26	100.0	197	I19656	I19656 Sequence 4
3	26	100.0	632	AX463287	AX463287 Sequence
4	26	100.0	845	PEARBCOSS	M21375 Pisum sativ
5	26	100.0	2351	PSRC01	X00806 Pea gene fo
6	26	100.0	8012	AR143709	AR143709 Sequence
7	26	100.0	8012	BD008400	BD008400 Glyphosat
8	26	100.0	8418	AR143713	AR143713 Sequence
9	26	100.0	8418	BD008404	BD008404 Glyphosat
10	26	100.0	8798	AR143712	AR143712 Sequence
11	26	100.0	8798	BD008403	BD008403 Glyphosat
12	26	100.0	10846	AR225313	AR225313 Sequence
13	26	100.0	10846	AR438378	AR438378 Sequence
14	26	100.0	10846	AR491631	AR491631 Sequence
15	26	100.0	10847	BD062173	BD062173 Expressio
16	26	100.0	10900	AR225314	AR225314 Sequence
17	26	100.0	10900	AR438379	AR438379 Sequence
18	26	100.0	10900	AR491632	AR491632 Sequence
19	26	100.0	10901	BD062174	BD062174 Expressio

AX052539	Sequence	6	AX052539	100.0	12614	6	AX052539	100.0	12614	6	AX052539	Sequence
CQ867567	Sequence	6	CQ867567	93.8	3706	6	CQ867567	93.8	3706	6	CQ867567	Sequence
CQ867566	Sequence	6	CQ867566	93.8	3778	6	CQ867566	93.8	3778	6	CQ867566	Sequence
J01357	Pea (P. sati	8	PEARUBPA	87.7	619	8	PEARUBPA	87.7	619	8	PEARUBPA	Sequence
X04333	Pea rbcS-3A	8	PSRCS3A	87.7	2061	8	PSRCS3A	87.7	2061	8	PSRCS3A	Sequence
AB086434	Synthetic	12	AB086434	87.7	10212	12	AB086434	87.7	10212	12	AB086434	Sequence
AB086433	Synthetic	12	AB086433	87.7	10856	12	AB086433	87.7	10856	12	AB086433	Sequence
AF309825	Plant exp	12	AF309825	87.7	11522	12	AF309825	87.7	11522	12	AF309825	Sequence
AF294981	Binary ve	12	AF294981	87.7	12072	12	AF294981	87.7	12072	12	AF294981	Sequence
AF294982	Binary ve	12	AF294982	87.7	12942	12	AF294982	87.7	12942	12	AF294982	Sequence
AF30636	Plant DNA	12	AF30636	87.7	14103	12	AF30636	87.7	14103	12	AF30636	Sequence
AF294979	Binary ve	12	AF294979	87.7	14203	12	AF294979	87.7	14203	12	AF294979	Sequence
AF294980	Binary ve	12	AF294980	87.7	14230	12	AF294980	87.7	14230	12	AF294980	Sequence
AX019937	Sequence	20	AX019937	76.9	20	20	AX019937	76.9	20	20	AX019937	Sequence
AX128200	Sequence	20	AX128200	76.9	20	20	AX128200	76.9	20	20	AX128200	Sequence
AX460967	Sequence	20	AX460967	76.9	20	20	AX460967	76.9	20	20	AX460967	Sequence
AE006704	Sulfolobu	1	AE006704	76.2	12477	1	AE006704	76.2	12477	1	AE006704	Sequence
Y18930	Sulfolobus	1	SSUL18930	76.2	281244	1	SSUL18930	76.2	281244	1	SSUL18930	Sequence
AL355597	Human DNA	9	AL355597	72.3	89340	9	AL355597	72.3	89340	9	AL355597	Sequence
AC096222	Rattus no	2	AC096222	72.3	234528	2	AC096222	72.3	234528	2	AC096222	Sequence
AC134202	Rattus no	2	AC134202	72.3	235783	2	AC134202	72.3	235783	2	AC134202	Sequence
AC126820	Rattus no	2	AC126820	72.3	260809	2	AC126820	72.3	260809	2	AC126820	Sequence
G23188	human STS W	11	G23188	71.5	463	11	G23188	71.5	463	11	G23188	Sequence
AJ440747	Otertagi	3	OOS440747	71.5	1849	3	OOS440747	71.5	1849	3	OOS440747	Sequence
AC012853	Drosophi	2	AC012853	71.5	16237	2	AC012853	71.5	16237	2	AC012853	Sequence
AC103668	Mus muscu	2	AC103668	71.5	68018	2	AC103668	71.5	68018	2	AC103668	Sequence
AC090083	Homo sapi	9	AC090083	71.5	96253	9	AC090083	71.5	96253	9	AC090083	Sequence
AC011761	Drosophi	3	AC011761	71.5	108727	3	AC011761	71.5	108727	3	AC011761	Sequence
AC092835	Homo sapi	5	AL929174	71.5	158404	5	AL929174	71.5	158404	5	AL929174	Sequence
AL929174	Zabrafish	5	AL929174	71.5	161610	5	AL929174	71.5	161610	5	AL929174	Sequence
AC010673	Homo sapi	2	AC010673	71.5	167358	2	AC010673	71.5	167358	2	AC010673	Sequence
AC124106	Mus muscu	10	AC124106	71.5	167372	10	AC124106	71.5	167372	10	AC124106	Sequence
AC026626	Homo sapi	2	AC026626	71.5	178953	2	AC026626	71.5	178953	2	AC026626	Sequence
AC036621	Homo sapi	2	AC036621	71.5	181141	2	AC036621	71.5	181141	2	AC036621	Sequence
AC087738	Homo sapi	9	AC087738	71.5	181511	9	AC087738	71.5	181511	9	AC087738	Sequence
AC073717	Mus muscu	10	AL672250	71.5	199204	10	AL672250	71.5	199204	10	AL672250	Sequence
AL672250	Mouse DNA	10	AL672250	71.5	215105	10	AL672250	71.5	215105	10	AL672250	Sequence
AC148894	Otolemur	2	AC148894	71.5	215632	2	AC148894	71.5	215632	2	AC148894	Sequence
AC120646	Rattus no	3	AC120646	71.5	221539	3	AC120646	71.5	221539	3	AC120646	Sequence
AE003570	Drosophi	3	AE003570	71.5	299666	3	AE003570	71.5	299666	3	AE003570	Sequence
AC123753	Mus muscu	2	AC123753	71.5	327059	2	AC123753	71.5	327059	2	AC123753	Sequence
AC112941	Mus muscu	2	AC112941	70.8	166763	2	AC112941	70.8	166763	2	AC112941	Sequence
AC138212	Mus muscu	2	AC138212	70.8	208456	2	AC138212	70.8	208456	2	AC138212	Sequence
AC133952	Mus muscu	2	AC133952	70.8	349287	2	AC133952	70.8	349287	2	AC133952	Sequence
CQ870143	Sequence	6	CQ870143	70.0	26578	6	CQ870143	70.0	26578	6	CQ870143	Sequence
U95973	Arabidopsi	8	U95973	70.0	115841	8	U95973	70.0	115841	8	U95973	Sequence
AL118508	Human DNA	9	HSJ737E23	70.0	123832	9	HSJ737E23	70.0	123832	9	HSJ737E23	Sequence
AC007719	Homo sapi	9	AC007719	70.0	150831	9	AC007719	70.0	150831	9	AC007719	Sequence
AC011151	Homo sapi	2	AC011151	70.0	153187	2	AC011151	70.0	153187	2	AC011151	Sequence
CR354434	Danio rer	2	CR354434	70.0	158673	2	CR354434	70.0	158673	2	CR354434	Sequence
CR354390	Danio rer	2	CR354390	70.0	168917	2	CR354390	70.0	168917	2	CR354390	Sequence
AC134318	Rattus no	2	AC134318	70.0	173396	2	AC134318	70.0	173396	2	AC134318	Sequence
AC114820	Mus muscu	10	AC114820	70.0	174470	10	AC114820	70.0	174470	10	AC114820	Sequence
AC097589	Sus scro	2	AC097589	70.0	186730	2	AC097589	70.0	186730	2	AC097589	Sequence
AC094251	Rattus no	5	AC094251	70.0	192157	5	AC094251	70.0	192157	5	AC094251	Sequence
AC144827	Danio rer	10	AL591404	70.0	203613	10	AL591404	70.0	203613	10	AL591404	Sequence
AL591404	Mouse DNA	10	AL591404	70.0	206930	10	AL591404	70.0	206930	10	AL591404	Sequence
AC113533	Mus muscu	2	AC113533	70.0	210282	2	AC113533	70.0	210282	2	AC113533	Sequence
AC129674	Rattus no	2	AC129674	70.0	225000	2	AC129674	70.0	225000	2	AC129674	Sequence
AC128762	Rattus no	2	AC128762	70.0	292007	2	AC128762	70.0	292007	2	AC128762	Sequence
M15190	Yeast (S.ce	4	YSCRH02X	69.2	706	4	YSCRH02X	69.2	706	4	YSCRH02X	Sequence
BC084358	Xenopus l	5	BC084358	69.2	714	5	BC084358	69.2	714	5	BC084358	Sequence
Z71366	S.cerevisia	5	BC065327	69.2	1417	5	BC065327	69.2	1417	5	BC065327	Sequence
AC018005	Drosophi	3	AC018005	69.2	2119	3	AC018005	69.2	2119	3	AC018005	Sequence
U22832	Caenorhabdi	3	U22832	69.2	7105	3	U22832	69.2	7105	3	U22832	Sequence
XF89016	S.cerevisia	8	SCORFSDNA	69.2	17933	8	SCORFSDNA	69.2	17933	8	SCORFSDNA	Sequence
AF458976	Saccharom	8	AF458976	69.2	31986	8	AF458976	69.2	31986	8	AF458976	Sequence
AF458978	Saccharom	8	AF458978	69.2	32051	8	AF458978	69.2	32051	8	AF458978	Sequence
AF458981	Saccharom	8	AF458981	69.2	32053	8	AF458981	69.2	32053	8	AF458981	Sequence
AF458969	Saccharom	8	AF458969	69.2	32054	8	AF458969	69.2	32054	8	AF458969	Sequence

94	16.6	63.8	4261	12	ADJ12616	Adj12616 DNA fragm	c 167	16.4	63.1	2655	6	ABK72280	Abk72280 Lymphona
95	16.6	63.8	4973	4	ABL03620	Abi03620 Drosophil	c 168	16.4	63.1	2655	6	ABK72322	Abk72322 DNA encod
96	16.6	63.8	5130	5	AS84060	As84060 DNA encod	c 169	16.4	63.1	2655	8	ABZ68699	Abz68699 Nucleotid
97	16.6	63.8	5130	5	AS72822	As72822 DNA encod	c 170	16.4	63.1	2655	12	ADM79334	Adm79334 Mouse lym
98	16.6	63.8	5130	5	AS74984	As74984 DNA encod	c 171	16.4	63.1	2655	4	AS21284	As21284 Human cDN
99	16.6	63.8	5130	5	AS68166	As68166 DNA encod	c 172	16.4	63.1	2655	8	ACA03643	AcA03643 cDNA enco
100	16.6	63.8	5130	5	AS85098	As85098 DNA encod	c 173	16.4	63.1	2655	8	ABX89181	Abx89181 DNA encod
101	16.6	63.8	5130	5	AS66528	As66528 DNA encod	c 174	16.4	63.1	2655	8	ACD41835	AcD41835 Human sec
102	16.6	63.8	5130	5	AS89455	As89455 DNA encod	c 175	16.4	63.1	2655	8	ACA04064	AcA04064 Human cDN
103	16.6	63.8	5130	5	AS67239	As67239 DNA encod	c 176	16.4	63.1	2655	8	ADA45600	AdA45600 Novel hum
104	16.6	63.8	5130	5	AS73825	As73825 DNA encod	c 177	16.4	63.1	2655	9	ADA76031	AdA76031 Human PRO
105	16.6	63.8	5130	5	AS70242	As70242 DNA encod	c 178	16.4	63.1	2655	9	ADA18681	AdA18681 Human PRO
106	16.6	63.8	5130	5	AS70789	As70789 DNA encod	c 179	16.4	63.1	2655	9	ADA61304	AdA61304 Homo sapi
107	16.6	63.8	5130	5	AS84966	As84966 DNA encod	c 180	16.4	63.1	2655	9	ADB19089	AdB19089 Novel hum
108	16.6	63.8	5131	5	AS83326	As83326 DNA encod	c 181	16.4	63.1	2655	9	ADB27630	AdB27630 cDNA enco
109	16.6	63.8	5131	5	AS65594	As65594 DNA encod	c 182	16.4	63.1	2655	9	ADA86109	AdA86109 Novel hum
110	16.6	63.8	5210	5	AS83526	As83526 DNA encod	c 183	16.4	63.1	2655	9	ADB15673	AdB15673 Human PRO
111	16.6	63.8	5213	5	AS89597	As89597 DNA encod	c 184	16.4	63.1	2655	9	ADA47459	AdA47459 Human PRO
112	16.6	63.8	5231	5	AS66699	As66699 DNA encod	c 185	16.4	63.1	2655	9	ADA67254	AdA67254 Human PRO
113	16.6	63.8	5450	5	AS65193	As65193 DNA encod	c 186	16.4	63.1	2655	9	ADB30261	AdB30261 cDNA enco
114	16.6	63.8	5773	5	AS84049	As84049 DNA encod	c 187	16.4	63.1	2655	9	ADA85557	AdA85557 Novel hum
115	16.6	63.8	6028	10	ADE09776	AdE09776 Novel DNA	c 188	16.4	63.1	2655	9	ADA96769	AdA96769 Human PRO
116	16.6	63.8	6194	5	AS73339	As73339 DNA encod	c 189	16.4	63.1	2655	9	ADA79073	AdA79073 Human PRO
117	16.6	63.8	6245	13	ADQ38416	AdQ38416 Human SNP	c 190	16.4	63.1	2655	9	ADA87212	AdA87212 Novel hum
118	16.6	63.8	6770	12	ADI24472	AdI24472 Human mod	c 191	16.4	63.1	2655	9	ADB16414	AdB16414 Human PRO
119	16.6	63.8	6779	12	ADP21387	AdP21387 Gene PPP1	c 192	16.4	63.1	2655	9	ADA91506	AdA91506 Novel hum
120	16.6	63.8	6797	13	ADQ38415	AdQ38415 Human SNP	c 193	16.4	63.1	2655	9	ADB14569	AdB14569 Human PRO
121	16.6	63.8	7384	6	ABL32746	AbI32746 Human imm	c 194	16.4	63.1	2655	9	ADB18530	AdB18530 Novel hum
122	16.6	63.8	8065	5	AS78738	As78738 DNA encod	c 195	16.4	63.1	2655	9	ADA93745	AdA93745 Human PRO
123	16.6	63.8	9479	5	AS66388	As66388 DNA encod	c 196	16.4	63.1	2655	9	ADB19641	AdB19641 Novel hum
124	16.6	63.8	10136	5	AS75390	As75390 DNA encod	c 197	16.4	63.1	2655	9	ADB12953	AdB12953 Human PRO
125	16.6	63.8	10136	10	ADF60156	AdF60156 Human con	c 198	16.4	63.1	2655	9	ACD98464	AcD98464 Novel hum
126	16.6	63.8	10579	5	AS69831	As69831 DNA encod	c 199	16.4	63.1	2655	9	ADA74207	AdA74207 Human PRO
127	16.6	63.8	31766	6	AD22781	Ad22781 Human sul	c 200	16.4	63.1	2655	9	ADA24440	AdA24440 Human PRO
128	16.6	63.8	31766	6	AL50687	Al50687 Human sul	c 201	16.4	63.1	2655	9	ADA81964	AdA81964 Human PRO
129	16.6	63.8	96589	9	ADA02954	AdA02954 Human NR3	c 202	16.4	63.1	2655	9	ADA74927	AdA74927 Human PRO
130	16.6	63.8	96589	10	ADB72692	AdB72692 Human NR3	c 203	16.4	63.1	2655	9	ADA85005	AdA85005 Novel hum
131	16.6	63.8	96589	12	ADC85434	AdC85434 Human car	c 204	16.4	63.1	2655	9	ADA84453	AdA84453 Novel hum
132	16.6	63.8	96589	12	ADM74549	AdM74549 Human nr3	c 205	16.4	63.1	2655	9	ADB29709	AdB29709 cDNA enco
133	16.6	63.8	104900	2	ABD32848	Abd32848 Human can	c 206	16.4	63.1	2655	9	ADA80237	AdA80237 Human PRO
134	16.6	63.8	110000	2	AAT42063_00	Aat42063 Haemophil	c 207	16.4	63.1	2655	9	ADA75479	AdA75479 Human PRO
135	16.6	63.8	110000	2	AAT42063_03	Continuation (4 of	c 208	16.4	63.1	2655	9	ADA46704	AdA46704 Human PRO
136	16.6	63.8	110000	2	AX91990_00	AX91990 Nucleotid	c 209	16.4	63.1	2655	9	ADB25000	AdB25000 Human PRO
137	16.6	63.8	154799	13	ADS36467	AdS36467 Human aut	c 210	16.4	63.1	2655	9	ADA93176	AdA93176 Human PRO
138	16.6	63.8	212321	11	ACN44598	AcN44598 Human gen	c 211	16.4	63.1	2655	9	ADB26526	AdB26526 cDNA enco
139	16.6	63.8	276820	11	ADP75188	AdP75188 Human ADA	c 212	16.4	63.1	2655	9	ADB30813	AdB30813 cDNA enco
140	16.6	63.8	308766	13	ADT05738	Adt05738 Haemophil	c 213	16.4	63.1	2655	9	ADA60741	AdA60741 Homo sapi
141	16.6	63.8	349980	13	ADT05648	Adt05648 Haemophil	c 214	16.4	63.1	2655	9	ADB23888	AdB23888 Human PRO
142	16.6	63.1	224	5	ADI67689	Adi67689 Human ova	c 215	16.4	63.1	2655	9	ADA96217	AdA96217 Human PRO
143	16.4	63.1	224	5	ADI74071	Adi74071 Human ova	c 216	16.4	63.1	2655	9	ADA80789	AdA80789 Human PRO
144	16.4	63.1	226	5	ADI45441	Adi45441 Human ova	c 217	16.4	63.1	2655	9	ADA95665	AdA95665 Human PRO
145	16.4	63.1	300	6	ABL75112	AbI75112 Corn tass	c 218	16.4	63.1	2655	9	ADB25974	AdB25974 cDNA enco
146	16.4	63.1	329	5	ADL39308	Adl39308 Human ova	c 219	16.4	63.1	2655	9	ADB21459	AdB21459 Novel hum
147	16.4	63.1	401	4	AK95564	AK95564 Human neu	c 220	16.4	63.1	2655	9	ADB27238	AdB27238 Human PRO
148	16.4	63.1	401	4	AK97057	AK97057 Human neu	c 221	16.4	63.1	2655	9	ADA817978	AdA817978 cDNA enco
149	16.4	63.1	401	6	ABT00334	Abt00334 Human neu	c 222	16.4	63.1	2655	9	ADA86661	AdA86661 Novel hum
150	16.4	63.1	401	6	ABT01827	Abt01827 Human neu	c 223	16.4	63.1	2655	9	ADA87764	AdA87764 Novel hum
151	16.4	63.1	424	8	ABX41329	Abx41329 Bovine ES	c 224	16.4	63.1	2655	9	ADA46152	AdA46152 Novel hum
152	16.4	63.1	711	13	ADR59654	Adr59654 Corton CD	c 225	16.4	63.1	2655	9	ADB28182	AdB28182 cDNA enco
153	16.4	63.1	715	4	AH08384	Ah08384 Human cDN	c 226	16.4	63.1	2655	9	ADB28734	AdB28734 cDNA enco
154	16.4	63.1	876	13	ADT47528	Adt47528 Bacterial	c 227	16.4	63.1	2655	9	ADA76686	AdA76686 Human PRO
155	16.4	63.1	1036	12	ADM47826	Adm47826 Polynucle	c 228	16.4	63.1	2655	9	ADA88316	AdA88316 Novel hum
156	16.4	63.1	1464	5	AS76719	As76719 DNA encod	c 229	16.4	63.1	2655	9	ADA97321	AdA97321 Human PRO
157	16.4	63.1	1464	5	AS73147	As73147 DNA encod	c 230	16.4	63.1	2655	9	ADB27078	AdB27078 cDNA enco
158	16.4	63.1	1464	5	AS82176	As82176 DNA encod	c 231	16.4	63.1	2655	9	ADB22011	AdB22011 Novel hum
159	16.4	63.1	1491	5	AS70442	As70442 DNA encod	c 232	16.4	63.1	2655	9	ADA66702	AdA66702 Human PRO
160	16.4	63.1	1777	11	ADM03234	Adm03234 Human cDN	c 233	16.4	63.1	2655	9	ADB22563	AdB22563 Human PRO
161	16.4	63.1	1850	12	ADI61761	Adi61761 Human cDN	c 234	16.4	63.1	2655	9	ADB22336	AdB22336 Human PRO
162	16.4	63.1	1992	10	ADL07543	Adl07543 cDNA enco	c 235	16.4	63.1	2655	9	ADA92058	AdA92058 Novel hum
163	16.4	63.1	2127	6	ABL89827	AbI89827 Human pol	c 236	16.4	63.1	2655	9	ADB15121	AdB15121 Human PRO
164	16.4	63.1	2185	10	ADAS2735	Ada52735 Human cod	c 237	16.4	63.1	2655	9	ADB38373	AdB38373 Novel hum
165	16.4	63.1	2282	6	AQI5017	Aqi5017 Encodes y	c 238	16.4	63.1	2655	9	ADB37821	AdB37821 Novel hum
166	16.4	63.1	2547	6	ABI99759	Abi99759 Mouse isc	c 239	16.4	63.1	2655	10	ADB66293	AdB66293 Novel hum

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 37.1533 Seconds  
(without alignments)  
4142.654 Million cell updates/sec

Title: US-09-912-968a-8

Perfect score: 26

Sequence: 1 tgcataataactcgactcagtagga 26

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Database : N\_Geneseq\_16Dec04:\*

1: geneseqn1980s:\*

2: geneseqn1990s:\*

3: geneseqn2000s:\*

4: geneseqn2001as:\*

5: geneseqn2001bs:\*

6: geneseqn2002as:\*

7: geneseqn2002bs:\*

8: geneseqn2003as:\*

9: geneseqn2003bs:\*

10: geneseqn2003cs:\*

11: geneseqn2003ds:\*

12: geneseqn2004as:\*

13: geneseqn2004bs:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	26	100.0	26	ABN84494	Abn84494 Arabidops
2	26	100.0	197	AAZ88564	Aaz88564 PLRV cDNA
3	26	100.0	632	ABN83922	Abn83922 E9 3'term
4	26	100.0	1998	ABV76269	Abv76269 Expressio
5	26	100.0	7129	ADE97423	Ades97423 DNA deriv
6	26	100.0	8012	AAZ57305	Aaz57305 Sugar bee
7	26	100.0	8418	AAZ57309	Aaz57309 Sugar bee
8	26	100.0	8798	AAZ57308	Aaz57308 Sugar bee
9	26	100.0	10846	ABZ54336	Abz54336 E.coli f
10	26	100.0	10847	AAZ08923	Aaz08923 Vector co
11	26	100.0	10900	AAZ08924	Aaz08924 Vector co
12	26	100.0	10900	ABZ54337	Abz54337 E. coli f
13	26	100.0	11606	ADQ13598	Adq13598 Plasmid p
14	26	100.0	12304	ABV75876	Abv75876 Luciferas
15	26	100.0	12497	ABV75875	Abv75875 Luciferas
16	26	100.0	12614	AAZ66931	Aaz66931 Plant sig
17	24.4	93.8	1008	ADE37162	Ades37162 Plant yie
18	24.4	93.8	1008	ADI41630	Adi41630 Plant tra
19	24.4	93.8	1008	ADO01896	Ado01896 Thalecres
20	24.4	93.8	1147	AAD06461	Aad06461 Arabidops

C 21	24.4	93.8	3706	13	ADR49368	Adr49368 H7-1 tran
C 22	24.4	93.8	3778	13	ADR49367	Adr49367 Vector pV
C 23	22.8	87.7	6128	9	ACC85050	Acc85050 Inducible
C 24	22.8	87.7	11522	6	ABK89709	Abk89709 Oestrogen
C 25	20	76.9	20	2	AAZ00082	Aaz00082 PCR prime
C 26	20	76.9	20	5	AAS04262	Aas04262 Oligonuc1
C 27	20	76.9	20	6	ABK53059	Abk53059 F72 PCR p
C 28	18.2	70.0	28678	13	ABD32878	Abd32878 Human can
C 29	18	69.2	579	13	ADS47236	AdS47236 Bacterial
C 30	17.8	68.5	596	4	AAI41444	Aai41444 Probe #10
C 31	17.8	68.5	596	4	AAK35729	Aak35729 Human bon
C 32	17.8	68.5	596	4	AAK09835	Aak09835 Human bra
C 33	17.6	67.7	425	4	AAH11765	Aah11765 Human cdn
C 34	17.6	67.7	1934	3	AAZ93498	Aaz93498 Human sec
C 35	17.6	67.7	3203	4	AAH18558	Aah18558 Human cdn
C 36	17.6	67.7	6128	9	ACC85050	Acc85050 Inducible
C 37	17.6	67.7	20905	4	ABA07327	AbA07327 Human pan
C 38	17.6	67.7	20905	4	AAK90486	Aak90486 Human dig
C 39	17.6	67.7	20905	4	AAK87167	Aak87167 Human imm
C 40	17.4	66.9	29	8	ABX15646	Abx15646 Rbcs term
C 41	17.4	66.9	758	6	ABL92980	AbL92980 Rat metas
C 42	17.4	66.9	758	12	ADN07771	Adn07771 Human mam
C 43	17.2	66.2	772	4	AAH07018	Aah07018 Human cdn
C 44	17.2	66.2	927	5	AAS74662	Aas74662 DNA encod
C 45	17.2	66.2	1630	3	AAA68014	Aaa68014 Eucalyptu
C 46	17.2	66.2	1630	10	ADD41764	Add41764 O-methyl
C 47	17.2	66.2	1697	4	AAH18581	Aah18581 Human cdn
C 48	17.2	66.2	2000	10	ADC08522	Adc08522 Rice DNA
C 49	17.2	66.2	2096	3	AAZ62810	Aaz62810 O-methyl
C 50	17.2	66.2	2096	6	ABX17075	Abx17075 Eucalyptu
C 51	17.2	66.2	2096	10	ADH75476	Adh75476 Eucalyptu
C 52	17.2	66.2	3070	6	ABX17109	Abx17109 Eucalyptu
C 53	17.2	66.2	3070	10	ADH75529	Adh75529 Eucalyptu
C 54	17.2	66.2	4374	9	ADA66336	Ada66336 Human IQG
C 55	17.2	66.2	4374	11	ADL27130	AdL27130 Human IQG
C 56	17.2	66.2	4974	10	ADB72790	AdB72790 Human IQG
C 57	17.2	66.2	4974	11	ADL27130	AdL27130 Human IQG
C 58	17.2	66.2	5239	6	AAZ43316	Aaz43316 Human DTC
C 59	17.2	66.2	7573	2	AAT58681	Aat58681 DNA encod
C 60	17.2	66.2	7573	6	ABK83875	Abk83875 Human cdn
C 61	17.2	66.2	7573	6	ABN95697	Abn95697 Gene #219
C 62	17.2	66.2	7573	9	ADA03051	Ada03051 Human IQG
C 63	17.2	66.2	7573	9	ADA66335	Ada66335 Human IQG
C 64	17.2	66.2	7573	10	ADB72789	AdB72789 Human IQG
C 65	17.2	66.2	7573	11	ADL27129	AdL27129 Human cdn
C 66	17.2	66.2	7573	13	ADR52832	Adr52832 Drug ther
C 67	17.2	66.2	7634	11	ACN89270	Acn89270 Breast ca
C 68	17.2	66.2	90183	12	ADQ97960_3	AdQ97960_3 of
C 69	17	65.4	861	12	ADO35784	Ado35784 Novel mou
C 70	17	65.4	1672	13	ADR24247	Adr24247 Breast ca
C 71	17	65.4	2094	13	ADP24700	Adp24700 PRO poly
C 72	17	65.4	6745	10	ADF82055	Adf82055 Leukaemia
C 73	17	65.4	8425	4	ABL02628	AbL02628 Drosophi
C 74	17	65.4	191996	13	ADT05647	Adt05647 Haemophil
C 75	16.8	64.6	103	3	AAA42026	Aaa42026 Human sec
C 76	16.8	64.6	169998	6	AAD36511	Aad36511 Human Her
C 77	16.8	64.6	197496	6	ABN85584	Abn85584 Human EGF
C 78	16.8	64.6	209083	13	ABD32854	Abd32854 Human can
C 79	16.6	63.8	375	6	ADH31561	Adh31561 Novel yea
C 80	16.6	63.8	648	4	AAH29603	Aah29603 Drosophi
C 81	16.6	63.8	1017	8	ACA24812	AcA24812 Prokaryot
C 82	16.6	63.8	1253	8	ABT20379	Abt20379 Aspergill
C 83	16.6	63.8	2277	5	AAZ84982	Aaz84982 DNA encod
C 84	16.6	63.8	2460	5	ABU54233	AbU54233 Human G-p
C 85	16.6	63.8	2606	5	AAZ75832	Aaz75832 DNA encod
C 86	16.6	63.8	2999	8	ABT17969	Abt17969 Aspergill
C 87	16.6	63.8	3253	5	ABT19783	Abt19783 Aspergill
C 88	16.6	63.8	3316	5	AAZ75000	Aaz75000 DNA encod
C 89	16.6	63.8	3316	5	AAZ70804	Aaz70804 DNA encod
C 90	16.6	63.8	3316	5	AAZ70259	Aaz70259 DNA encod
C 91	16.6	63.8	3316	5	AAZ73840	Aaz73840 DNA encod
C 92	16.6	63.8	3588	5	AAZ68192	Aaz68192 DNA encod
C 93	16.6	63.8	4260	12	ADJ12563	Adj12563 DNA fragm



98	18	69.2	921	6	CD253216	AGENCOURT	171	17.6	67.7	578	1	AU145166	AU145166
99	17.8	68.5	288	2	BB308759	BB308759	172	17.6	67.7	582	2	AW051579	AW051579
100	17.8	68.5	429	1	AV348111	AV348111	173	17.6	67.7	585	4	BM666132	BM666132
101	17.8	68.5	495	4	BJ645843	BJ645843	174	17.6	67.7	585	8	AQ884391	AQ884391
102	17.8	68.5	507	9	CG730873	CG730873	175	17.6	67.7	589	8	AZ224814	AZ224814
103	17.8	68.5	514	7	CK995737	CK995737	176	17.6	67.7	610	5	AX953334	AX953334
104	17.8	68.5	519	7	CM004014	CM004014	177	17.6	67.7	625	4	BG398273	BG398273
105	17.8	68.5	532	4	BJ6522303	BJ6522303	178	17.6	67.7	625	4	BF974352	BF974352
106	17.8	68.5	544	8	BH274045	BH274045	179	17.6	67.7	673	2	BE385559	BE385559
107	17.8	68.5	556	4	BJ664435	BJ664435	180	17.6	67.7	681	5	BM433905	BM433905
108	17.8	68.5	560	4	BJ653871	BJ653871	181	17.6	67.7	688	5	BU549586	BU549586
109	17.8	68.5	562	4	BJ664303	BJ664303	182	17.6	67.7	725	7	CM429395	CM429395
110	17.8	68.5	583	6	CD817090	CD817090	183	17.6	67.7	727	5	BU633328	BU633328
111	17.8	68.5	601	9	CR319150	CR319150	184	17.6	67.7	736	5	BQ446504	BQ446504
112	17.8	68.5	635	6	CK619559	CK619559	185	17.6	67.7	746	5	BQ179104	BQ179104
113	17.8	68.5	689	6	CD819433	CD819433	186	17.6	67.7	747	4	BG643954	BG643954
114	17.8	68.5	731	2	AW776357	AW776357	187	17.6	67.7	760	9	AG026102	AG026102
115	17.8	68.5	864	9	CG948446	CG948446	188	17.6	67.7	799	7	CK022407	CK022407
116	17.8	68.5	912	8	BZ452132	BZ452132	189	17.6	67.7	828	2	BE543579	BE543579
117	17.6	67.7	285	2	BE766630	BE766630	190	17.6	67.7	839	9	AG552074	AG552074
118	17.6	67.7	333	7	H38792	H38792	191	17.6	67.7	861	7	CO814462	CO814462
119	17.6	67.7	336	7	H38792	H38792	192	17.6	67.7	872	5	BO421563	BO421563
120	17.6	67.7	338	1	AZ279748	AZ279748	193	17.6	67.7	876	4	BI769442	BI769442
121	17.6	67.7	351	2	BE772803	BE772803	194	17.6	67.7	966	9	CG143197	CG143197
122	17.6	67.7	360	1	A1082875	A1082875	195	17.4	66.9	550	4	BG665667	BG665667
123	17.6	67.7	371	2	BE772805	BE772805	196	17.4	66.9	667	7	CV074821	CV074821
124	17.6	67.7	372	2	AW275538	AW275538	197	17.4	66.9	764	7	CV119900	CV119900
125	17.6	67.7	373	7	H50275	H50275	198	17.4	66.9	775	5	BM452124	BM452124
126	17.6	67.7	391	4	BM670117	BM670117	199	17.4	66.9	1207	7	CF110515	CF110515
127	17.6	67.7	394	1	A1799129	A1799129	200	17.2	66.2	232	6	CD954000	CD954000
128	17.6	67.7	397	1	AA504743	AA504743	201	17.2	66.2	288	5	BQ108393	BQ108393
129	17.6	67.7	399	1	A1282394	A1282394	202	17.2	66.2	309	5	BQ319752	BQ319752
130	17.6	67.7	405	1	A1435576	A1435576	203	17.2	66.2	313	8	B2140404	B2140404
131	17.6	67.7	421	9	CR095782	CR095782	204	17.2	66.2	324	4	BG940293	BG940293
132	17.6	67.7	424	1	AA707817	AA707817	205	17.2	66.2	338	6	CD066592	CD066592
133	17.6	67.7	425	2	AW103115	AW103115	206	17.2	66.2	339	2	BE694413	BE694413
134	17.6	67.7	425	1	AU153757	AU153757	207	17.2	66.2	353	7	CK710570	CK710570
135	17.6	67.7	427	1	A1218321	A1218321	208	17.2	66.2	368	7	CF596294	CF596294
136	17.6	67.7	427	4	BM134012	BM134012	209	17.2	66.2	398	8	B58382	B58382
137	17.6	67.7	428	2	BE059237	BE059237	210	17.2	66.2	443	8	AO661069	AO661069
138	17.6	67.7	430	1	AA622152	AA622152	211	17.2	66.2	464	7	CO225603	CO225603
139	17.6	67.7	432	2	AW873629	AW873629	212	17.2	66.2	485	9	CL892210	CL892210
140	17.6	67.7	439	2	BE097772	BE097772	213	17.2	66.2	499	8	CC038950	CC038950
141	17.6	67.7	446	7	H939377	H939377	214	17.2	66.2	524	8	BH188463	BH188463
142	17.6	67.7	447	1	A1052070	A1052070	215	17.2	66.2	524	8	CNS07584	CNS07584
143	17.6	67.7	447	1	A1810071	A1810071	216	17.2	66.2	544	8	BH716122	BH716122
144	17.6	67.7	458	2	AW663912	AW663912	217	17.2	66.2	555	5	BM511510	BM511510
145	17.6	67.7	462	4	BI494346	BI494346	218	17.2	66.2	582	5	BP337421	BP337421
146	17.6	67.7	467	7	HI9606	HI9606	219	17.2	66.2	583	7	CO117081	CO117081
147	17.6	67.7	473	1	AA7033504	AA7033504	220	17.2	66.2	597	9	CL659483	CL659483
148	17.6	67.7	474	7	CK826320	CK826320	221	17.2	66.2	609	7	CF082675	CF082675
149	17.6	67.7	478	2	AW206443	AW206443	222	17.2	66.2	611	8	BH183618	BH183618
150	17.6	67.7	483	7	H93671	H93671	223	17.2	66.2	611	9	CNS0700U	CNS0700U
151	17.6	67.7	487	6	CB145771	CB145771	224	17.2	66.2	613	8	AO586959	AO586959
152	17.6	67.7	488	1	A1092894	A1092894	225	17.2	66.2	626	9	CU517654	CU517654
153	17.6	67.7	489	1	AA707800	AA707800	226	17.2	66.2	640	8	BH453422	BH453422
154	17.6	67.7	492	4	BI494347	BI494347	227	17.2	66.2	640	8	AO653135	AO653135
155	17.6	67.7	496	2	AW131885	AW131885	228	17.2	66.2	649	7	CN916341	CN916341
156	17.6	67.7	499	5	BQ582272	BQ582272	229	17.2	66.2	650	7	CN746692	CN746692
157	17.6	67.7	504	1	AI806763	AI806763	230	17.2	66.2	657	7	CN398092	CN398092
158	17.6	67.7	509	7	H50254	H50254	231	17.2	66.2	659	5	EX507077	EX507077
159	17.6	67.7	512	7	HI2761	HI2761	232	17.2	66.2	670	7	CO524230	CO524230
160	17.6	67.7	514	1	A1951781	A1951781	233	17.2	66.2	692	1	AU136299	AU136299
161	17.6	67.7	516	5	BQ299058	BQ299058	234	17.2	66.2	704	7	CO114770	CO114770
162	17.6	67.7	520	4	BG651438	BG651438	235	17.2	66.2	717	8	B2147995	B2147995
163	17.6	67.7	523	1	AU150183	AU150183	236	17.2	66.2	725	9	CL658569	CL658569
164	17.6	67.7	529	1	AW151975	AW151975	237	17.2	66.2	729	8	AG449248	AG449248
165	17.6	67.7	529	2	AW182498	AW182498	238	17.2	66.2	729	8	BH188416	BH188416
166	17.6	67.7	548	8	BM990578	BM990578	239	17.2	66.2	732	9	CNS075FT	CNS075FT
167	17.6	67.7	548	5	AO934622	AO934622	240	17.2	66.2	732	8	BH185917	BH185917
168	17.6	67.7	552	7	CR740282	CR740282	241	17.2	66.2	732	7	CNS07QIN	CNS07QIN
169	17.6	67.7	563	9	BX988951	BX988951	242	17.2	66.2	734	7	CO522660	CO522660
170	17.6	67.7	572	9	CC640907	CC640907	243	17.2	66.2	735	6	CA405610	CA405610

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model
Run on: July 5, 2005, 11:52:58 ; Search time 243.471 Seconds
        (without alignments)
        4064.839 Million cell updates/sec

Title: US-09-912-968A-8
Perfect score: 26
Sequence: 1 tggcataataactcgaaactcagtagga 26

Scoring table: IDENTITY_NUC
                Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues
Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 500 summaries

Database : EST:*
           1: gb_est1:*
           2: gb_est2:*
           3: gb_hic:*
           4: gb_est3:*
           5: gb_est4:*
           6: gb_est5:*
           7: gb_est6:*
           8: gb_gsa1:*
           9: gb_gsa2:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result  No.    Score    Query Match Length DB ID    Description
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c 2    24.4    93.8    499    6    CD860270    PW.010C05
c 3    22.8    87.7    94     6    CD860898
c 4    22.8    87.7    155    6    CD860783
c 5    22.8    87.7    161    6    CD860752    TE.005024
c 6    22.8    87.7    176    6    CD860921    TNE.003H2
c 7    22.8    87.7    176    6    CD860933    TNE.003I1
c 8    22.8    87.7    191    6    CD861044    TNE.003O1
c 9    22.8    87.7    255    6    CD860695    TE.005K04
c 10   22.8    87.7    284    6    CD860971    TNE.003K1
c 11   22.8    87.7    335    6    CD861030    TNE.003N1
c 12   22.8    87.7    437    6    CD861014    TNE.003M2
c 13   19.6    75.4    576    6    CD859137    CNI.003A1
c 14   19.6    75.4    627    2    BF298728    020PbF08
c 15   18.8    72.3    468    8    AQ822230    HS.5521_B
c 16   18.8    72.3    582    6    CD857484    DH0AG10ZC
c 17   18.8    72.3    604    5    BQ971745    QHB8D10.Y
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157	15.4	59.2	705	3	US-08-874-102-9	Sequence 9, Appl	c 230	15.4	59.2	422592	4	US-09-949-016-13875	Sequence 13875, A	
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c 167	15.4	59.2	707	3	US-08-984-919A-7	Sequence 7, Appl	c 240	15.2	58.5	3396	4	US-09-407-427-1	Sequence 1, Appl	
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C 33	17	65.4	131379	4	US-09-949-016-16050	Sequence 16050, A
C 34	17	65.4	174029	4	US-09-949-016-12610	Sequence 12610, A
C 35	17	65.4	174030	4	US-09-949-016-13880	Sequence 13880, A
C 36	17	65.4	193169	4	US-09-949-016-15091	Sequence 15091, A
C 37	16.8	64.6	169998	3	US-09-676-610B-24	Sequence 24, Appl
C 38	16.8	64.6	197496	4	US-09-877-177A-10	Sequence 10, Appl
C 39	16.6	63.8	601	4	US-09-949-016-31157	Sequence 31157, A
C 40	16.6	63.8	601	4	US-09-949-016-31158	Sequence 31158, A
C 41	16.6	63.8	601	4	US-09-949-016-61477	Sequence 61477, A
C 42	16.6	63.8	601	4	US-09-949-016-61478	Sequence 61478, A
C 43	16.6	63.8	49378	4	US-09-949-016-13408	Sequence 13408, A
C 44	16.6	63.8	82178	4	US-09-949-016-13394	Sequence 13394, A
C 45	16.6	63.8	206433	4	US-09-949-016-13527	Sequence 13527, A
C 46	16.6	63.8	254778	4	US-09-949-016-12417	Sequence 12417, A
C 47	16.6	63.8	340380	4	US-09-949-016-14179	Sequence 14179, A
C 48	16.6	63.8	1230025	4	US-09-198-452A-1	Sequence 1, Appl
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C 58	16.4	63.1	2282	1	US-08-055-797-1	Sequence 6, Appl
C 59	16.4	63.1	2282	1	US-07-914-284A-6	Sequence 6, Appl
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C 61	16.4	63.1	2463	4	US-09-248-796A-952	Sequence 952, App
C 62	16.4	63.1	2655	4	US-09-963-137-139	Sequence 139, App
C 63	16.4	63.1	2655	4	US-09-963-137-183	Sequence 183, App
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C 65	16.4	63.1	168174	4	US-10-071-411A-63	Sequence 63, Appl
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C 73	16	61.5	1071	3	US-09-397-787-159	Sequence 159, App
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C 76	16	61.5	1594	3	US-09-234-613-58	Sequence 58, Appl
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C 81	16	61.5	237510	4	US-09-949-016-14273	Sequence 14273, A
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c 83	16.6	63.8	641	21	US-10-956-157-4936	Sequence 4936, Ap	c 156	16.4	63.1	3233	14	US-10-176-918-81	Sequence 81, Appl
c 84	16.6	63.8	641	21	US-10-956-157-10171	Sequence 10171, A	c 157	16.4	63.1	3233	14	US-10-176-921-81	Sequence 81, Appl
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c 86	16.6	63.8	1177	19	US-10-437-963-12093	Sequence 12093, A	c 159	16.4	63.1	3233	14	US-10-140-474-81	Sequence 81, Appl
c 87	16.6	63.8	1253	15	US-10-128-714-6327	Sequence 6327, Ap	c 160	16.4	63.1	3233	14	US-10-142-431-81	Sequence 81, Appl
c 88	16.6	63.8	2349	19	US-10-437-963-12091	Sequence 12091, A	c 161	16.4	63.1	3233	14	US-10-143-114-81	Sequence 81, Appl
c 89	16.6	63.8	2999	15	US-10-128-714-327	Sequence 327, App	c 162	16.4	63.1	3233	14	US-10-142-419-81	Sequence 81, Appl
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c 91	16.6	63.8	4260	11	US-09-984-429-417	Sequence 417, App	c 164	16.4	63.1	3233	14	US-10-142-423-81	Sequence 81, Appl
c 92	16.6	63.8	4261	11	US-09-984-429-470	Sequence 470, App	c 165	16.4	63.1	3233	14	US-10-121-050-81	Sequence 81, Appl
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c 95	16.6	63.8	7384	15	US-10-311-455-719	Sequence 719, App	c 168	16.4	63.1	3233	14	US-10-123-108-81	Sequence 81, Appl
c 96	16.6	63.8	31766	9	US-09-765-344-5	Sequence 5, Appli	c 169	16.4	63.1	3233	14	US-10-123-236-81	Sequence 81, Appl
c 97	16.6	63.8	31766	14	US-10-288-478-5	Sequence 5, Appli	c 170	16.4	63.1	3233	14	US-10-123-261-81	Sequence 81, Appl
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c 99	16.6	63.8	45268	21	US-10-741-600-17584	Sequence 17584, A	c 172	16.4	63.1	3233	14	US-10-140-928-81	Sequence 81, Appl
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c 106	16.6	63.8	398287	19	US-10-741-601-5719	Sequence 5719, Ap	c 179	16.4	63.1	3233	14	US-10-160-498-81	Sequence 81, Appl
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c 108	16.6	63.8	1230025	17	US-10-289-762-1	Sequence 1, Appli	c 181	16.4	63.1	3233	14	US-10-127-825A-81	Sequence 81, Appl
c 109	16.6	63.8	1830121	17	US-10-329-670-1	Sequence 1, Appli	c 182	16.4	63.1	3233	14	US-10-127-829A-81	Sequence 81, Appl
c 110	16.6	63.8	1830121	17	US-10-329-670-1	Sequence 1, Appli	c 183	16.4	63.1	3233	14	US-10-127-835A-81	Sequence 81, Appl
c 111	16.6	63.8	1830121	20	US-10-158-865-1	Sequence 1, Appli	c 184	16.4	63.1	3233	14	US-10-127-839A-81	Sequence 81, Appl
c 112	16.6	63.8	1830121	20	US-10-158-865-1	Sequence 1, Appli	c 185	16.4	63.1	3233	14	US-10-127-901A-81	Sequence 81, Appl
c 113	16.6	63.8	1830121	22	US-10-981-687-1	Sequence 1, Appli	c 186	16.4	63.1	3233	14	US-10-128-693A-81	Sequence 81, Appl
c 114	16.6	63.8	1830121	22	US-10-981-687-1	Sequence 1, Appli	c 187	16.4	63.1	3233	14	US-10-131-813A-81	Sequence 81, Appl
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c 123	16.4	63.1	401	9	US-09-795-686-363	Sequence 363, App	c 196	16.4	63.1	3233	14	US-10-147-515-81	Sequence 81, Appl
c 124	16.4	63.1	401	9	US-09-946-807-363	Sequence 363, App	c 197	16.4	63.1	3233	14	US-10-147-517-81	Sequence 81, Appl
c 125	16.4	63.1	424	9	US-09-960-352-6494	Sequence 6494, Ap	c 198	16.4	63.1	3233	14	US-10-147-526-81	Sequence 81, Appl
c 126	16.4	63.1	685	13	US-10-027-632-292486	Sequence 292486	c 199	16.4	63.1	3233	14	US-10-147-527-81	Sequence 81, Appl
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c 128	16.4	63.1	711	19	US-10-767-795-435	Sequence 435, App	c 201	16.4	63.1	3233	14	US-10-121-043-81	Sequence 81, Appl
c 129	16.4	63.1	734	18	US-10-424-599-56142	Sequence 56142, A	c 202	16.4	63.1	3233	14	US-10-121-047-81	Sequence 81, Appl
c 130	16.4	63.1	876	17	US-10-369-493-45966	Sequence 45966, A	c 203	16.4	63.1	3233	14	US-10-123-215-81	Sequence 81, Appl
c 131	16.4	63.1	933	13	US-10-027-632-162183	Sequence 162183	c 204	16.4	63.1	3233	14	US-10-123-902-81	Sequence 81, Appl
c 132	16.4	63.1	933	17	US-10-027-632-162183	Sequence 162183	c 205	16.4	63.1	3233	14	US-10-123-908-81	Sequence 81, Appl
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c 134	16.4	63.1	1036	17	US-10-310-154-244	Sequence 244, App	c 207	16.4	63.1	3233	14	US-10-123-910-81	Sequence 81, Appl
c 135	16.4	63.1	1036	21	US-10-732-923-326	Sequence 326, App	c 208	16.4	63.1	3233	14	US-10-124-813-81	Sequence 81, Appl
c 136	16.4	63.1	1125	19	US-10-767-701-6644	Sequence 6644, Ap	c 209	16.4	63.1	3233	14	US-10-124-817-81	Sequence 81, Appl
c 137	16.4	63.1	1400	21	US-10-956-157-7539	Sequence 7539, Ap	c 210	16.4	63.1	3233	14	US-10-125-922-81	Sequence 81, Appl
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c 139	16.4	63.1	1777	17	US-10-108-260A-1919	Sequence 1919, Ap	c 212	16.4	63.1	3233	14	US-10-140-860-81	Sequence 81, Appl
c 140	16.4	63.1	1846	19	US-10-437-963-55584	Sequence 55584, A	c 213	16.4	63.1	3233	14	US-10-142-417-81	Sequence 81, Appl
c 141	16.4	63.1	1850	22	US-10-765-700-129	Sequence 129, App	c 214	16.4	63.1	3233	14	US-10-147-519-81	Sequence 81, Appl
c 142	16.4	63.1	1930	20	US-10-739-930-5345	Sequence 5345, Ap	c 215	16.4	63.1	3233	14	US-10-157-782-81	Sequence 81, Appl
c 143	16.4	63.1	2003	20	US-10-425-115-184530	Sequence 184530	c 216	16.4	63.1	3233	14	US-10-152-395-81	Sequence 81, Appl
c 144	16.4	63.1	2127	17	US-10-264-237-389	Sequence 389, App	c 217	16.4	63.1	3233	14	US-10-125-926A-81	Sequence 81, Appl
c 145	16.4	63.1	2180	18	US-10-424-599-44038	Sequence 44038, A	c 218	16.4	63.1	3233	14	US-10-125-930A-81	Sequence 81, Appl
c 146	16.4	63.1	2185	17	US-10-094-749-303	Sequence 303, App	c 219	16.4	63.1	3233	14	US-10-127-831A-81	Sequence 81, Appl
c 147	16.4	63.1	2378	13	US-10-194-163-909	Sequence 909, App	c 220	16.4	63.1	3233	14	US-10-127-837A-81	Sequence 81, Appl
c 148	16.4	63.1	2655	10	US-09-963-131-139	Sequence 139, App	c 221	16.4	63.1	3233	14	US-10-127-842A-81	Sequence 81, Appl
c 149	16.4	63.1	2655	10	US-09-963-131-183	Sequence 183, App	c 222	16.4	63.1	3233	14	US-10-127-843A-81	Sequence 81, Appl
c 150	16.4	63.1	3233	14	US-10-028-072-81	Sequence 81, Appl	c 223	16.4	63.1	3233	14	US-10-127-845A-81	Sequence 81, Appl
c 151	16.4	63.1	3233	14	US-10-140-808-81	Sequence 81, Appl	c 224	16.4	63.1	3233	14	US-10-127-846A-81	Sequence 81, Appl
c 152	16.4	63.1	3233	14	US-10-121-049-81	Sequence 81, Appl	c 225	16.4	63.1	3233	14	US-10-127-848A-81	Sequence 81, Appl
c 153	16.4	63.1	3233	14	US-10-123-904-81	Sequence 81, Appl	c 226	16.4	63.1	3233	14	US-10-127-848A-81	Sequence 81, Appl

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c 118	18.6	71.5	226220	10	AL603829	AL603829 Mouse DNA
c 119	18.6	71.5	235029	2	AC131419	AC131419 Rattus no
c 120	18.6	71.5	241923	2	AC137656	AC137656 Bos tauru
c 121	18.6	71.5	245628	2	AL731841	AL731841 Homo sapi
c 122	18.6	71.5	245628	2	AL731841	AL731841 Homo sapi
c 123	18.6	71.5	251710	2	AC117065	AC117065 Rattus no
c 124	18.6	71.5	251710	2	AC117065	AC129687 Rattus no
c 125	18.6	71.5	257603	2	AC098014	AC098014 Rattus no
c 126	18.6	71.5	264090	2	AC098014	AC094326 Rattus no
c 127	18.6	71.5	266232	2	AC094326	AC099390 Rattus no
c 128	18.6	71.5	274560	2	AC099390	AC095362 Rattus no
c 129	18.6	71.5	311823	2	AC095362	AC106421 Rattus no
c 130	18.6	71.5	314746	2	AC106421	AC106421 Rattus no
c 131	18.4	70.8	836	8	AV359682	AV359682 Peridiniu
c 132	18.4	70.8	1746	5	AV554172	AV554172 Oreochrom
c 133	18.4	70.8	89370	3	AC084153	AC084153 Caenorhab
c 134	18.4	70.8	139147	2	AC006725	AC006725 Caenorhab
c 135	18.4	70.8	139434	2	CR388387	CR388387 Danio rer
c 136	18.4	70.8	219621	2	CR391984	CR391984 Danio rer
c 137	18.4	70.8	228081	2	AC115237	AC115237 Rattus no
c 138	18.4	70.8	257817	2	AC006909	AC006909 Caenorhab
c 139	18.2	70.0	1176	6	BD162882	BD162882 Novel pol
c 140	18.2	70.0	1176	6	BD162882	AX120765 Sequence
c 141	18.2	70.0	2312	6	AX833403	AX833403 Sequence
c 142	18.2	70.0	2312	6	AX833403	AK095101 Homo sapi
c 143	18.2	70.0	4094	6	CQ714181	CQ714181 Sequence
c 144	18.2	70.0	4956	6	BD085989	BD085989 Method of
c 145	18.2	70.0	4956	9	AF040390	AF040390 Homo sapi
c 146	18.2	70.0	5560	9	HSM80585	BX538319 Homo sapi
c 147	18.2	70.0	6789	9	HSDDUT11	Z95705 Human DNA s
c 148	18.2	70.0	43088	9	AC108719	AC108719 Homo sapi
c 149	18.2	70.0	43776	9	AC141342	AC141342 Rattus no
c 150	18.2	70.0	107640	9	AC084852	AC084852 Homo sapi
c 151	18.2	70.0	136551	9	AC123786	AC123786 Homo sapi
c 152	18.2	70.0	144631	9	AC069027	AC069027 Homo sapi
c 153	18.2	70.0	145085	2	AC090261	AC090261 Homo sapi
c 154	18.2	70.0	147328	2	AC027755	AC027755 Homo sapi
c 155	18.2	70.0	157377	2	AC022827	AC022827 Homo sapi
c 156	18.2	70.0	159007	9	AC020658	AC020658 Homo sapi
c 157	18.2	70.0	159188	2	AC037432	AC037432 Homo sapi
c 158	18.2	70.0	162898	2	AC026953	AC026953 Homo sapi
c 159	18.2	70.0	167900	2	AP001650	AP001650 Homo sapi
c 160	18.2	70.0	176910	2	AC021777	AC021777 Homo sapi
c 161	18.2	70.0	186656	9	AP001889	AP001889 Homo sapi
c 162	18.2	70.0	191959	2	AC012317	AC012317 Homo sapi
c 163	18.2	70.0	194284	5	AL954329	AL954329 Zebrafish
c 164	18.2	70.0	205903	9	AP000901	AP000901 Homo sapi
c 165	18.2	70.0	275980	2	AC111446	AC111446 Rattus no
c 166	18.2	70.0	275980	2	AC111446	AC111446
c 167	18.2	70.0	288255	2	AC120070	AC120070 Rattus no
c 168	18.2	70.0	303189	2	AC108728	AC108728 Homo sapi
c 169	18.2	70.0	312965	2	AC118393	AC118393 Rattus no
c 170	18.2	70.0	312965	2	AC097978	AC097978 Rattus no
c 171	18.2	70.0	328050	1	AP005275	AP005275 Corynebac
c 172	18.2	70.0	349887	1	BX927149	BX927149 Corynebac
c 173	18.2	70.0	349887	6	AX127144	AX127144 Sequence
c 174	18.2	70.0	349980	6	AX127145	AX127145 Sequence
c 175	18	69.2	339	3	KHRNA3	AF096500 Hammondia
c 176	18	69.2	437	3	AF249971	AF249971 Neospora
c 177	18	69.2	453	8	TOBRBPC	AF249971 Neospora
c 178	18	69.2	453	8	TOBRBPC	AF249972 Neospora
c 179	18	69.2	526	3	AF249972	AF249972 Neospora
c 180	18	69.2	572	3	AF508029	AF508029 Hammondia
c 181	18	69.2	572	3	AY117687	AY117687 Hammondia
c 182	18	69.2	574	3	AF516885	AF516885 Hammondia
c 183	18	69.2	581	3	AF076865	AF076865 Toxoplasma
c 184	18	69.2	582	3	AF076870	AF076870 Hammondia
c 185	18	69.2	582	3	AF076871	AF076871 Hammondia
c 186	18	69.2	582	3	AF432124	AF432124 Neospora
c 187	18	69.2	582	3	AF432125	AF432125 Hammondia
c 188	18	69.2	582	3	AF432126	AF432126 Hammondia
c 189	18	69.2	582	3	AF487893	AF487893 Hammondia
c 190	18	69.2	582	3	AY168878	AY168878 Hammondia
c 191	18	69.2	583	3	HYRITS2	AF096502 Hammondia
c 192	18	69.2	610	3	AF395866	AF395866 Hammondia
c 193	18	69.2	720	9	HSA327610	AJ327610 Homo sapi
c 194	18	69.2	778	8	TCMRBCSD	M15235 Tomato RuBP
c 195	18	69.2	796	8	NSRUB1	X01722 Nicotiana gl
c 196	18	69.2	806	8	AY220079	AY220079 Nicotiana gl
c 197	18	69.2	1023	3	AF470541	AF470541 Bolbophor
c 198	18	69.2	1023	3	AF470544	AF470544 Bolbophor
c 199	18	69.2	1023	3	AF470572	AF470572 Bolbophor
c 200	18	69.2	1023	3	AF470575	AF470575 Bolbophor
c 201	18	69.2	1023	3	AF470579	AF470579 Bolbophor
c 202	18	69.2	1023	3	AF470583	AF470583 Bolbophor
c 203	18	69.2	1023	3	AF470587	AF470587 Bolbophor
c 204	18	69.2	1023	3	AF470591	AF470591 Bolbophor
c 205	18	69.2	1023	3	AF470595	AF470595 Bolbophor
c 206	18	69.2	1023	3	AF470599	AF470599 Bolbophor
c 207	18	69.2	1023	3	AF470603	AF470603 Bolbophor
c 208	18	69.2	1023	3	AF470607	AF470607 Bolbophor
c 209	18	69.2	1023	3	AF470610	AF470610 Bolbophor
c 210	18	69.2	1032	8	TCMRBCSA	M13542 Tomato (L.e
c 211	18	69.2	1386	8	STRBCS2C	X69762 S.tuberosum
c 212	18	69.2	1454	8	LERBCS1	X05982 Tomato rbcS
c 213	18	69.2	1629	8	STRBCS2	X69760 S.tuberosum
c 214	18	69.2	1703	8	STRBCS2B	X69761 S.tuberosum
c 215	18	69.2	1764	1	D42078	D42078 Staphylococ
c 216	18	69.2	2494	6	CQ603263	CQ603263 Sequence
c 217	18	69.2	3212	3	AF076901	AF076901 Toxoplasma
c 218	18	69.2	3212	3	AF101077	AF101077 Hammondia
c 219	18	69.2	3213	3	AF159240	AF159240 Hammondia
c 220	18	69.2	4648	3	TOXRRG	L25635 Toxoplasma
c 221	18	69.2	5100	2	AC014384	AC014384 Drosophil
c 222	18	69.2	5177	9	HSM806974	BX540858 Homo sapi
c 223	18	69.2	5890	1	AF537210	AF537210 Staphyloc
c 224	18	69.2	6934	6	CQ599864	CQ599864 Sequence
c 225	18	69.2	8350	3	TCGNAPRA	X75453 T.gondii (s
c 226	18	69.2	8352	3	TCGNARH	X75429 T.gondii (R
c 227	18	69.2	8352	3	TCGNASAIL	X75430 T.gondii (S
c 228	18	69.2	10938	6	CQ598883	CQ598883 Sequence
c 229	18	69.2	15985	3	U61958	U61958 Caenorhabdi
c 230	18	69.2	18413	2	AC017583	AC017583 Drosophil
c 231	18	69.2	23914	6	CQ599870	CQ599870 Sequence
c 232	18	69.2	24263	3	DMC118B3	DMC118B3 Drosophil
c 233	18	69.2	34461	2	AC138803	AC138803 Homo sapi
c 234	18	69.2	35653	2	AC139252	AC139252 Homo sapi
c 235	18	69.2	40597	3	CRC25A1	Z81038 Caenorhabdi
c 236	18	69.2	40751	7	AF069308	AF069308 Bacteriop
c 237	18	69.2	58449	10	AL929218	AL929218 Mouse DNA
c 238	18	69.2	67405	2	AC101243	AC101243 Mus muscu

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 312.549 Seconds  
(without alignments)  
4030.848 Million cell updates/sec

Title: US-09-912-968A-9

Perfect score: 26

Sequence: 1 tcagtttcattgcgcacacaccagaa 26

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 9416466

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

GenEmbl:\*

1: gb\_ba.\*

2: gb\_htg.\*

3: gb\_in.\*

4: gb\_om.\*

5: gb\_ov.\*

6: gb\_pat.\*

7: gb\_ph.\*

8: gb\_pl.\*

9: gb\_pr.\*

10: gb\_ro.\*

11: gb\_sts.\*

12: gb\_sy.\*

13: gb\_un.\*

14: gb\_vi.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	26	6	AX555237
2	26	100.0	197	6	I19656 Sequence 4
3	26	100.0	619	8	PEARUPA
4	26	100.0	632	6	AX463287
5	26	100.0	645	8	PEARBCOSS
6	26	100.0	2124	6	AR014744
7	26	100.0	2124	6	AR022680
8	26	100.0	2351	8	PSRC01
9	26	100.0	3706	6	CQ867567
10	26	100.0	3778	6	CQ867566
11	26	100.0	8012	6	AR143709
12	26	100.0	8012	6	BD008400
13	26	100.0	8418	6	AR143713
14	26	100.0	8418	6	BD008404
15	26	100.0	8798	6	AR143712
16	26	100.0	8798	6	BD008403
17	26	100.0	10846	6	AR225313
18	26	100.0	10846	6	AR438378
19	26	100.0	10846	6	AR491631

20	26	100.0	10847	6	BD062173
21	26	100.0	10900	6	AR225314
22	26	100.0	10900	6	AR438379
23	26	100.0	10900	6	AR491632
24	26	100.0	10901	6	BD062174
25	26	100.0	12614	6	AX052539
26	24.4	93.8	669	8	PEARBPC
27	24.4	93.8	674	8	PSRBCS3C
28	24.4	93.8	1381	8	PSRBCS3A
29	24.4	93.8	2061	8	PSRBCS3A
30	24.4	93.8	10212	12	AB086434
31	24.4	93.8	10856	12	AB086433
32	24.4	93.8	11522	12	AF309825
33	24.4	93.8	12072	12	AF294981
34	24.4	93.8	12942	12	AF294982
35	24.4	93.8	14103	12	AF330636
36	24.4	93.8	14203	12	AF294979
37	24.4	93.8	14230	12	AF294980
38	21.2	81.5	515	8	AF411547
39	21.2	81.5	732	8	AF056315
40	21.2	81.5	3180	8	MSRBCSK1A
41	21.2	81.5	70687	8	AP006376
42	21.2	81.5	110572	8	AC147741
43	21.2	81.5	112032	2	AC145221
44	21.2	81.5	235247	2	AC106246
45	21.2	81.5	244010	2	AC106231
46	19.6	75.4	546	8	POTRBCS
47	19.6	75.4	599	8	TOMRBCSB
48	19.6	75.4	692	8	SIFRUBPCS
49	19.6	75.4	723	8	SLARBCS
50	19.6	75.4	729	8	CAR131050
51	19.6	75.4	742	8	TOMRBCSE
52	19.6	75.4	1097	8	BT013023
53	19.6	75.4	1598	8	STRBCS3
54	19.6	75.4	2293	8	NPRBCS8B
55	19.6	75.4	2293	8	TOMRBCS8B
56	19.6	75.4	2362	8	NTRUBSS
57	19.6	75.4	2776	8	LERBCS2
58	19.6	75.4	3323	8	STRBCS1
59	19.6	75.4	219195	2	AC107737
60	19.6	75.4	228384	2	AC115550
61	19.6	75.4	232903	5	BX908742
62	19.6	75.4	237781	2	AC097217
63	19.6	75.4	349980	6	CQ870192
64	19.2	73.8	17021	2	AC020534
65	19.2	73.8	24066	6	CQ883526
66	19.2	73.8	149920	9	AC093754
67	19.2	73.8	185741	9	AC006203
68	19.2	73.8	188272	3	AC005639
69	19.2	73.8	295325	3	AF003461
70	19	73.1	44292	3	AF043706
71	19	73.1	169226	2	AC006913
72	18.8	72.3	167728	2	AC115889
73	18.8	72.3	172997	9	AC117516
74	18.8	72.3	178692	8	AC024594
75	18.8	72.3	182149	5	BX324151
76	18.8	72.3	182862	2	AC137480
77	18.8	72.3	188522	2	AC102406
78	18.8	72.3	200446	2	AC125593
79	18.8	72.3	219799	10	AC123835
80	18.8	72.3	240506	2	AC097889
81	18.8	72.3	300029	8	AF017106
82	18.6	71.5	574	8	AF044396
83	18.6	71.5	677	8	AF044397
84	18.6	71.5	731	8	FP029937
85	18.6	71.5	743	8	FP029939
86	18.6	71.5	746	8	FP029935
87	18.6	71.5	753	8	FP029936
88	18.6	71.5	1667	6	CQ745390
89	18.6	71.5	1786	5	BC056132
90	18.6	71.5	1990	10	MMU278127
91	18.6	71.5	1994	10	AB053465
92	18.6	71.5	2107	10	BC018154

BD062173	Expressio
AR225314	Sequence
AR438379	Sequence
AR491632	Sequence
BD062174	Expressio
AX052539	Sequence
J01256	Pisum sativ
M25613	Pisum sativ
X04334	Pea rbcS-3C
X04333	Pea rbcS-3A
AB086434	Synthetic
AB086433	Synthetic
AF309825	Plant exp
AF294981	Binary ve
AF294982	Binary ve
AF330636	Plant DNA
AF294979	Binary ve
AF294980	Binary ve
AF411547	Medicago
AF056315	Medicago
X96847	M.sativa Rb
AP006376	Lotus cor
AC147741	Medicago
AC145221	Medicago
AC106246	Rattus no
AC106231	Rattus no
J03613	Potato (S.t
M13543	Tomato (L.e
M16888	White camp
L26605	Stellaria l
AJ131050	Cicer ari
M15236	Tomato RuBP
BT013023	Lycopersi
X69763	S.tuberosum
X13711	Nicotiana p
M36685	N.plumbagin
X02353	Tobacco gen
X05983	Tomato rbcS
X69759	S.tuberosum
AC107737	Mus muscu
AC115550	Rattus no
BX908742	Zebrafish
AC097217	Rattus no
CQ870192	Sequence
AC020534	Drosophil
CQ883526	Sequence
AC093754	Homo sapi
AC006203	Homo sapi
AC005639	Drosophil
AE003461	Drosophil
AF043706	Caenorhab
AC006913	Caenorhab
AC115889	Mus muscu
AC117516	Homo sapi
AC024594	Oryza sat
BX324151	Zebrafish
AC137480	Rattus no
AC102406	Mus muscu
AC125593	Rattus no
AC123835	Mus muscu
AC097889	Rattus no
AE017106	Oryza sat
AF044396	Flaveria
AF044397	Flaveria
U29937	Flaveria pr
U29939	Flaveria pr
U29935	Flaveria pr
U29936	Flaveria pr
CQ745390	Sequence
BC056132	Xenopus l
AJ278127	Mus muscu
AB053465	Mus muscu
BC018154	Mus muscu



c 94	17	65.4	3704	6	ABQ70790	Listeria	Abq70790	5623	5	AAS79169	DNA encod
c 95	17	65.4	8960	4	AAK69657	Human imm	AAK69657	5811	8	ABX62899	Human act
c 96	17	65.4	14708	4	ABL13296	Drosophila	ABL13296	6631	12	ADP09631	Rice WMSD
c 97	17	65.4	20486	4	ABL20698	Drosophila	ABL20698	6721	12	ADP09614	Rice WMSD
c 98	17	65.4	34378	11	ACN44940	Mouse gen	ACN44940	12677	4	AAS46236	DNA encod
c 99	17	65.4	37138	10	ADC87688	Human mam	ADC87688	15929	5	ABA18496	Human ner
c 100	17	65.4	69350	12	ADM98959	Diterpene	ADM98959	15929	5	ABA19020	Human ner
c 101	17	65.4	83120	9	AAI57571	Human CGI	AAI57571	15964	5	ABA19021	Human ner
c 102	17	65.4	83390	3	AAK22283	BAC conta	AAK22283	15964	5	ABA18497	Human ner
c 103	17	65.4	90320	6	ABK83576	Human CDN	ABK83576	28763	6	ABS78943	E. coli C
c 104	17	65.4	90336	3	AAK22289	BAC conta	AAK22289	28763	10	ADH80510	Escherich
c 105	17	65.4	100000	6	ABQ74541	Human tra	ABQ74541	50000	2	AAK23517	Human kid
c 106	17	65.4	110000	4	AAI99683	Continuation (38 o	AAI99683	98865	6	ABQ78054	Human Ras
c 107	17	65.4	110000	4	AAI99683	Continuation (38 o	AAI99683	98865	6	ABQ78054	Human Ras
c 108	17	65.4	110000	4	AAI99683	Continuation (38 o	AAI99683	98865	6	ABQ78054	Human Ras
c 109	17	65.4	110000	4	AAI99683	Continuation (38 o	AAI99683	98865	6	ABQ78054	Human Ras
c 110	17	65.4	110000	4	AAI99683	Continuation (38 o	AAI99683	98865	6	ABQ78054	Human Ras
c 111	17	65.4	110000	4	AAI99683	Continuation (38 o	AAI99683	98865	6	ABQ78054	Human Ras
c 112	17	65.4	110000	4	AAI99683	Continuation (38 o	AAI99683	98865	6	ABQ78054	Human Ras
c 113	17	65.4	110000	4	AAI99683	Continuation (38 o	AAI99683	98865	6	ABQ78054	Human Ras
c 114	17	65.4	110000	4	AAI99683	Continuation (38 o	AAI99683	98865	6	ABQ78054	Human Ras
c 115	17	65.4	110000	4	AAI99683	Continuation (38 o	AAI99683	98865	6	ABQ78054	Human Ras
c 116	17	65.4	165156	13	ADN97989	Continuation (40 o	ADN97989	15152	13	ADQ52892	Drug ther
c 117	16.8	64.6	517	6	ABV96024	Human pan	ABV96024	539	5	ABV43924	Human pro
c 118	16.8	64.6	531	6	ABV96024	Human pan	ABV96024	539	5	ABV43924	Human pro
c 119	16.8	64.6	531	6	ABV96024	Human pan	ABV96024	539	5	ABV43924	Human pro
c 120	16.8	64.6	531	6	ABV96024	Human pan	ABV96024	539	5	ABV43924	Human pro
c 121	16.8	64.6	531	6	ABV96024	Human pan	ABV96024	539	5	ABV43924	Human pro
c 122	16.8	64.6	531	6	ABV96024	Human pan	ABV96024	539	5	ABV43924	Human pro
c 123	16.8	64.6	531	6	ABV96024	Human pan	ABV96024	539	5	ABV43924	Human pro
c 124	16.8	64.6	531	6	ABV96024	Human pan	ABV96024	539	5	ABV43924	Human pro
c 125	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 126	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 127	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 128	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 129	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 130	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 131	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 132	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 133	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 134	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 135	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 136	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 137	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 138	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 139	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 140	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 141	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 142	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 143	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 144	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 145	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 146	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 147	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 148	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 149	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 150	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 151	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 152	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 153	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 154	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 155	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 156	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 157	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 158	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 159	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 160	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 161	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 162	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 163	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 164	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 165	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc
c 166	16.6	63.8	209	12	ACH93583	Human gen	ACH93583	646	4	AAI19438	Human exc

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 37.1533 Seconds  
(without alignments)  
4142.654 Million cell updates/sec

Title: US-09-912-968A-9

Perfect score: 26

Sequence: 1 tcagtttcattgcgcacaccagaa 26

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : N\_Geneseq\_16Dec04:\*

1: Geneseqn1980s:\*

2: Geneseqn1990s:\*

3: Geneseqn2000s:\*

4: Geneseqn2001as:\*

5: Geneseqn2001bs:\*

6: Geneseqn2002as:\*

7: Geneseqn2002bs:\*

8: Geneseqn2003as:\*

9: Geneseqn2003bs:\*

10: Geneseqn2003cs:\*

11: Geneseqn2003ds:\*

12: Geneseqn2004as:\*

13: Geneseqn2004bs:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	26	6	ABN84495
2	26	100.0	197	3	AAX288564
3	26	100.0	632	6	ABN83922
4	26	100.0	1008	10	ADE37162
5	26	100.0	1008	12	AD141630
6	26	100.0	1008	12	AD001896
7	26	100.0	1147	4	AAD06461
8	26	100.0	1998	8	ABV76269
9	26	100.0	2208	2	AAQ39180
10	26	100.0	3706	13	ADR49368
11	26	100.0	3778	13	ADR49367
12	26	100.0	7129	10	ADE97423
13	26	100.0	8012	2	AAX57305
14	26	100.0	8418	2	AAX57309
15	26	100.0	8798	2	AAX57308
16	26	100.0	10846	6	ABS54336
17	26	100.0	10847	2	AAX08923
18	26	100.0	10900	2	AAX08924
19	26	100.0	10900	6	ABS54337
20	26	100.0	11606	12	ADQ13598

98	22.8	87.7	822	5	BQ151926	BQ151926	NF001H031	171	21.8	83.8	622	2	BF006450	BF006450	EST434948
99	21.8	83.8	342	2	BE249672	BE249672	NF020B05L	172	21.8	83.8	625	2	BF636780	BF636780	NF002F12L
100	21.8	83.8	362	5	BQ153408	BQ153408	NF036E05I	173	21.8	83.8	625	2	BF638468	BF638468	NF058B08P
c 101	21.8	83.8	381	2	BE123979	BE123979	EST394104	174	21.8	83.8	625	5	AW981484	AW981484	EST392637
c 102	21.8	83.8	388	2	AW127673	AW127673	M110417 D	175	21.8	83.8	625	5	BQ138382	BQ138382	NF002F04P
c 103	21.8	83.8	410	2	BF0005120	BF0005120	EST433618	176	21.8	83.8	626	2	BF0003370	BF0003370	EST434868
104	21.8	83.8	423	4	BI263591	BI263591	NF087D11P	177	21.8	83.8	626	4	BG443163	BG443163	EST434868
c 105	21.8	83.8	460	2	BF0006153	BF0006153	EST434588	178	21.8	83.8	629	2	BE318909	BE318909	NF004F05L
106	21.8	83.8	467	2	BF636289	BF636289	NF109D03D	179	21.8	83.8	633	2	BF520299	BF520299	EST457769
107	21.8	83.8	467	2	BF0005333	BF0005333	EST433831	180	21.8	83.8	633	2	BF521361	BF521361	EST458837
108	21.8	83.8	476	4	BF519419	BF519419	EST456882	181	21.8	83.8	636	2	BF639172	BF639172	NF094F10P
109	21.8	83.8	476	4	BG451570	BG451570	NF110E09D	182	21.8	83.8	638	4	BG457391	BG457391	NF103G07P
c 110	21.8	83.8	479	2	AW127576	AW127576	M110303 D	183	21.8	83.8	639	2	BF519774	BF519774	EST457238
111	21.8	83.8	481	2	BF638278	BF638278	NF044C05P	184	21.8	83.8	639	2	AW775316	AW775316	EST334381
112	21.8	83.8	487	2	BE316137	BE316137	NF032G04L	185	21.8	83.8	639	2	BF006140	BF006140	EST434710
113	21.8	83.8	497	2	BF520001	BF520001	EST457469	186	21.8	83.8	639	2	BF006265	BF006265	EST434763
114	21.8	83.8	500	2	AW776838	AW776838	EST335903	187	21.8	83.8	640	2	BF005543	BF005543	EST434041
115	21.8	83.8	506	2	BF521038	BF521038	EST458511	188	21.8	83.8	640	4	BI264703	BI264703	NF112A11P
116	21.8	83.8	508	2	BF006288	BF006288	EST434786	189	21.8	83.8	643	2	BF638066	BF638066	NF028A12P
117	21.8	83.8	515	2	BF0005048	BF0005048	EST433546	190	21.8	83.8	656	4	BI263864	BI263864	NF107G12P
118	21.8	83.8	525	2	BF519923	BF519923	EST457389	191	21.8	83.8	657	4	BG450660	BG450660	NF036C06D
119	21.8	83.8	535	2	BF0005804	BF0005804	EST434302	192	21.8	83.8	657	4	BI265737	BI265737	NF093B12I
120	21.8	83.8	537	2	BF0005410	BF0005410	EST433908	193	21.8	83.8	659	4	BG457148	BG457148	NF054F05P
121	21.8	83.8	538	2	BF0005412	BF0005412	EST433910	194	21.8	83.8	660	2	BF638322	BF638322	NF043C12P
122	21.8	83.8	540	2	BF0005425	BF0005425	EST433923	195	21.8	83.8	660	4	BG451310	BG451310	NF107A04D
123	21.8	83.8	541	2	BF518998	BF518998	EST456395	196	21.8	83.8	660	4	BG457894	BG457894	NF033B05P
124	21.8	83.8	541	2	AW775638	AW775638	EST334703	c 197	21.8	83.8	660	4	BI267739	BI267739	NF112C11I
125	21.8	83.8	541	2	BF0005413	BF0005413	EST433912	198	21.8	83.8	661	2	BF520334	BF520334	EST457804
126	21.8	83.8	548	2	BF0005414	BF0005414	EST433911	199	21.8	83.8	662	2	BF632046	BF632046	NF025E02D
127	21.8	83.8	550	2	BF520034	BF520034	EST457502	200	21.8	83.8	662	2	BF005270	BF005270	EST433768
128	21.8	83.8	555	2	AW775601	AW775601	EST334666	201	21.8	83.8	663	2	AW775393	AW775393	EST334458
129	21.8	83.8	560	2	BF0005450	BF0005450	EST433948	202	21.8	83.8	668	2	AW776001	AW776001	EST335066
130	21.8	83.8	560	2	BF006262	BF006262	EST434760	203	21.8	83.8	668	2	BF005324	BF005324	EST433822
131	21.8	83.8	562	2	BF006628	BF006628	EST435126	204	21.8	83.8	670	4	BG457807	BG457807	NF037G04P
132	21.8	83.8	563	2	BF006181	BF006181	EST434616	205	21.8	83.8	671	4	BI263391	BI263391	NF090A10P
133	21.8	83.8	564	2	BF520291	BF520291	EST457761	206	21.8	83.8	672	2	BF637726	BF637726	NF041A11P
134	21.8	83.8	564	2	BF0005007	BF0005007	EST433505	207	21.8	83.8	672	4	BG455264	BG455264	NF037G07P
135	21.8	83.8	566	2	BF632299	BF632299	NF017G01D	c 208	21.8	83.8	675	6	CA922153	CA922153	EST39871
136	21.8	83.8	569	4	BI265454	BI265454	NF083A07I	209	21.8	83.8	675	2	BF519292	BF519292	EST456754
137	21.8	83.8	569	6	CA990114	CA990114	EST643622	210	21.8	83.8	677	2	BF520269	BF520269	EST457739
138	21.8	83.8	570	2	BF003302	BF003302	EST431800	211	21.8	83.8	677	4	BG456238	BG456238	NF075D09P
139	21.8	83.8	570	2	BF003513	BF003513	EST433811	212	21.8	83.8	677	5	BQ156829	BQ156829	NF097F06I
140	21.8	83.8	572	2	BF0006173	BF0006173	EST434608	213	21.8	83.8	678	2	BF005555	BF005555	EST434053
141	21.8	83.8	573	2	BF0005300	BF0005300	EST433798	214	21.8	83.8	678	2	BF005118	BF005118	EST456579
142	21.8	83.8	575	2	BF006168	BF006168	EST434603	215	21.8	83.8	679	2	BF006105	BF006105	EST434675
143	21.8	83.8	575	4	BI264442	BI264442	NF116E07P	216	21.8	83.8	682	2	BF638379	BF638379	NF045F07P
144	21.8	83.8	581	2	BF0005054	BF0005054	EST433552	217	21.8	83.8	683	2	AW775921	AW775921	EST334986
145	21.8	83.8	581	2	BF0005073	BF0005073	EST433571	c 218	21.8	83.8	683	2	BF004902	BF004902	EST434463
146	21.8	83.8	581	2	BF0005874	BF0005874	EST434372	219	21.8	83.8	687	2	AW776582	AW776582	EST335667
147	21.8	83.8	581	2	BF0005929	BF0005929	EST434427	220	21.8	83.8	688	2	BF0005233	BF0005233	EST433731
148	21.8	83.8	582	2	BF521425	BF521425	EST458910	221	21.8	83.8	688	4	BG449570	BG449570	NF054A08I
149	21.8	83.8	585	2	BF519770	BF519770	EST457234	222	21.8	83.8	689	2	BF638217	BF638217	NF045C08P
150	21.8	83.8	585	2	BF005272	BF005272	EST433770	223	21.8	83.8	690	2	BF519755	BF519755	EST457219
151	21.8	83.8	585	2	BF006532	BF006532	EST435030	224	21.8	83.8	691	2	BF634670	BF634670	NF063C08D
152	21.8	83.8	586	2	BF520203	BF520203	EST457672	225	21.8	83.8	691	2	BF005227	BF005227	EST433725
153	21.8	83.8	589	2	BF0005038	BF0005038	EST433536	226	21.8	83.8	692	4	BG452551	BG452551	NF107B07L
154	21.8	83.8	590	2	BF0005322	BF0005322	EST433820	227	21.8	83.8	696	2	BF519720	BF519720	EST457184
155	21.8	83.8	595	2	BF0005400	BF0005400	NF023F02P	228	21.8	83.8	698	2	BF520806	BF520806	EST458279
156	21.8	83.8	596	4	BG450125	BG450125	NF013A02D	229	21.8	83.8	699	2	BF005958	BF005958	EST434456
157	21.8	83.8	597	6	CA990001	CA990001	EST643509	230	21.8	83.8	702	4	BI272726	BI272726	NF025B10P
158	21.8	83.8	602	2	BF0005037	BF0005037	EST433535	231	21.8	83.8	703	2	BF0006094	BF0006094	EST434664
159	21.8	83.8	603	4	BI263161	BI263161	NF085F04P	232	21.8	83.8	703	5	BQ165471	BQ165471	EST611340
160	21.8	83.8	605	4	BI268997	BI268997	NF002C10I	233	21.8	83.8	704	2	BF005542	BF005542	EST434040
161	21.8	83.8	608	2	BF0006582	BF0006582	EST435080	234	21.8	83.8	711	2	BF005247	BF005247	EST433745
162	21.8	83.8	609	2	AW981449	AW981449	EST392611	c 235	21.8	83.8	725	6	CA919228	CA919228	EST636946
163	21.8	83.8	614	4	BG454552	BG454552	NF112G12L	236	21.8	83.8	727	6	CF068644	CF068644	EST669365
164	21.8	83.8	615	5	BQ155895	BQ155895	EST457850	c 237	21.8	83.8	737	5	BQ165472	BQ165472	EST611341
165	21.8	83.8	615	5	BQ155895	BQ155895	NF085E03I	238	21.8	83.8	741	2	AW776021	AW776021	EST335086
166	21.8	83.8	617	5	BQ139389	BQ139389	NF014G08P	239	21.8	83.8	753	5	BQ158155	BQ158155	NF029B01P
167	21.8	83.8	618	2	BF638728	BF638728	NF063G08P	240	21.8	83.8	795	5	BQ145040	BQ145040	NF012B07D
168	21.8	83.8	619	2	BE318126	BE318126	NF075E08L	241	21.8	83.8	818	5	BQ148749	BQ148749	NF082B12P
169	21.8	83.8	622	2	BF0005428	BF0005428	EST433926	242	21.8	83.8	849	5	BQ157971	BQ157971	NF011D08P
170	21.8	83.8	622	2	BF006206	BF006206	EST434641	243	21.8	83.8	872	5	BQ150602	BQ150602	NF037G07L

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 243.471 Seconds  
(without alignments)  
4064.939 Million cell updates/sec

Title: US-09-912-968A-9

Perfect score: 26

Sequence: 1 tcagtttcattgcgcacacacagaa 26

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

EST:\*

1: gb\_est1:\*

2: gb\_est2:\*

3: gb\_hic:\*

4: gb\_est3:\*

5: gb\_est4:\*

6: gb\_est5:\*

7: gb\_est6:\*

8: gb\_gss1:\*

9: gb\_gss2:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	161	6	CD860752 TE.005024
2	26	100.0	177	6	CD860827
3	26	100.0	191	6	CD861044 TNE.00302
4	26	100.0	335	6	CD861030 TNE.003N1
5	26	100.0	499	6	CD860270 FW.010C05
6	24.4	93.8	155	6	CD860783 TNE.003A0
7	24.4	93.8	176	6	CD860921 TNE.003H2
8	24.4	93.8	176	6	CD860933 TNE.003I1
9	24.4	93.8	214	6	CD860798 TNE.003B0
10	24.4	93.8	240	6	CD860818 TNE.003C0
11	24.4	93.8	255	6	CD860695 TE.005K04
12	24.4	93.8	271	6	CD860700 TE.005K10
13	24.4	93.8	282	6	CD859167 CNI.003D1
14	24.4	93.8	283	6	CD859159 CNI.003D0
15	24.4	93.8	283	6	CD860979 TNE.003L0
16	24.4	93.8	284	6	CD860971 TNE.003K1
17	24.4	93.8	288	6	CD859291 CNI.003O2
18	24.4	93.8	290	6	CD859157 CNI.003D0
19	24.4	93.8	292	6	CD860811 TNE.003B2
20	24.4	93.8	296	6	CD859194 CNI.003F1
21	24.4	93.8	299	6	CD860967 TNE.003K1
22	24.4	93.8	308	6	CD858723 CE.007N16
23	24.4	93.8	323	6	CD858606 CE.007B19
24	24.4	93.8	323	6	CD858676 CE.007J07

25	24.4	93.8	437	6	CD861014
26	23.4	90.0	576	6	CD859137
27	22.8	87.7	94	6	CD860898 TNE.003G1
28	22.8	87.7	211	2	BE248686 NF010B01D
29	22.8	87.7	233	6	CD860692 TE.005I24
30	22.8	87.7	257	6	CD860829 TNE.003C2
c	31	22.8	267	2	BE249727 NF021B03L
32	22.8	87.7	269	6	CD860804 TNE.003B1
33	22.8	87.7	273	4	BI269639 NF011H11
34	22.8	87.7	283	6	CD860614 TE.005C07
35	22.8	87.7	286	6	CD860651 TE.005G02
36	22.8	87.7	288	2	BF635897 NF044A05D
c	37	22.8	309	6	CD860854 TNE.003E0
38	22.8	87.7	381	2	AW127701 M110451 D
39	22.8	87.7	381	6	CD861035 TNE.003O0
40	22.8	87.7	383	5	BQ153331 NF035B061
41	22.8	87.7	389	6	CD860824 TNE.003C1
42	22.8	87.7	393	4	BG450105 NF013D04D
43	22.8	87.7	403	5	BQ154421 NF069F101
44	22.8	87.7	411	6	CD860886 TNE.003F2
45	22.8	87.7	411	6	CD860992 TNE.003L1
46	22.8	87.7	414	6	CD861023 TNE.003N1
47	22.8	87.7	417	6	CD860683 TE.005I13
48	22.8	87.7	417	6	CD860863
49	22.8	87.7	421	5	CD860962 TNE.003K0
50	22.8	87.7	423	5	BQ155838 NF084G031
51	22.8	87.7	427	7	CO515373 s13dSG49D
52	22.8	87.7	449	6	CD858500 CE.006B14
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54	22.8	87.7	517	2	BF005681 EST434179
55	22.8	87.7	542	2	AW776438 EST335503
56	22.8	87.7	560	2	BF519070 EST456530
57	22.8	87.7	566	2	BE316039 NF03A0A08L
58	22.8	87.7	576	2	BE318958 NF034G051
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60	22.8	87.7	587	2	BF004935 EST433496
61	22.8	87.7	587	2	BF005695 EST434193
62	22.8	87.7	588	2	BF006540 EST435038
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65	22.8	87.7	598	7	CO515405 s13dSG50A
66	22.8	87.7	604	6	CF068572 EST669293
67	22.8	87.7	607	4	BG450049 NF011A05D
68	22.8	87.7	610	4	BI269841 NF009H101
69	22.8	87.7	615	7	CO514520 s13dSG43F
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76	22.8	87.7	644	2	AW981232 EST392322
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91	22.8	87.7	696	2	AW775873 EST34938
92	22.8	87.7	709	2	BF520349 EST457819
93	22.8	87.7	736	4	BI310037 EST531178
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c 104	16.4	63.1	97424	4	US-09-949-016-15576	Sequence 15576, A	177	16	61.5	32379	4	US-09-949-016-15221	Sequence 15221, A
c 105	16.4	63.1	140925	4	US-09-949-016-11777	Sequence 11777, A	178	16	61.5	32379	4	US-09-949-016-15222	Sequence 15222, A
c 106	16.4	63.1	140982	4	US-09-949-016-16295	Sequence 16295, A	179	16	61.5	32379	4	US-09-949-016-15223	Sequence 15223, A
c 107	16.4	63.1	264206	4	US-09-949-016-12731	Sequence 12731, A	180	16	61.5	32379	4	US-09-949-016-15224	Sequence 15224, A
c 108	16.4	63.1	264304	4	US-09-949-016-13249	Sequence 13249, A	181	16	61.5	32379	4	US-09-949-016-15225	Sequence 15225, A
c 109	16.4	63.1	455726	4	US-09-949-016-14157	Sequence 14157, A	182	16	61.5	32379	4	US-09-949-016-15226	Sequence 15226, A
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c 112	16.4	63.1	635591	4	US-09-949-016-13388	Sequence 13388, A	185	16	61.5	55827	3	US-10-212-877-3	Sequence 3, Appl
c 113	16.4	63.1	786431	4	US-09-751-389-3	Sequence 3, Appl	c 186	16	61.5	55827	4	US-09-949-016-15897	Sequence 15897, A
c 114	16.2	62.3	601	4	US-09-949-016-174173	Sequence 174173, A	c 187	16	61.5	58824	4	US-09-949-016-12615	Sequence 12615, A
c 115	16.2	62.3	601	4	US-09-949-016-174174	Sequence 174174, A	c 188	16	61.5	60489	4	US-09-949-016-16287	Sequence 16287, A
c 116	16.2	62.3	601	4	US-09-949-016-174365	Sequence 174365, A	189	16	61.5	64377	4	US-09-949-016-15212	Sequence 15212, A
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c 119	16.2	62.3	948	4	US-09-107-433-2214	Sequence 2214, Ap	192	16	61.5	64377	4	US-09-949-016-15215	Sequence 15215, A
c 120	16.2	62.3	1001	3	US-09-641-638-168	Sequence 168, App	193	16	61.5	64377	4	US-09-949-016-15216	Sequence 15216, A
c 121	16.2	62.3	1001	3	US-09-641-638-169	Sequence 169, App	194	16	61.5	85368	4	US-09-949-016-12211	Sequence 12211, A
c 122	16.2	62.3	1001	4	US-10-170-097-168	Sequence 168, App	195	16	61.5	87617	4	US-09-949-016-16551	Sequence 16551, A
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c 124	16.2	62.3	1104	4	US-09-540-236-88	Sequence 88, Appl	197	16	61.5	119931	4	US-09-949-016-16319	Sequence 16319, A
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c 131	16.2	62.3	126237	4	US-09-949-016-16675	Sequence 16675, A	204	15.8	60.8	109690	4	US-09-313-294A-6456	Sequence 6456, Ap
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c 136	16	61.5	290	4	US-09-313-294A-7405	Sequence 7405, Ap	209	15.6	60.0	601	4	US-09-949-016-23699	Sequence 23699, A
c 137	16	61.5	334	4	US-09-270-767-9987	Sequence 9987, Ap	210	15.6	60.0	601	4	US-09-949-016-23700	Sequence 23700, A
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c 157	16	61.5	844	3	US-08-927-352-2688	Sequence 2688, Ap	c 230	15.6	60.0	601	4	US-09-949-016-191769	Sequence 191769, A
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c 160	16	61.5	1473	4	US-09-134-000C-3771	Sequence 3771, Ap	c 233	15.6	60.0	601	4	US-09-949-016-191948	Sequence 191948, A
c 161	16	61.5	2016	4	US-09-328-352-3742	Sequence 3742, Ap	c 234	15.6	60.0	601	4	US-09-949-016-192125	Sequence 192125, A
c 162	16	61.5	2183	4	US-09-641-612-9	Sequence 9, Appl	c 235	15.6	60.0	601	4	US-09-949-016-192126	Sequence 192126, A
c 163	16	61.5	2663	3	US-09-068-740A-8	Sequence 8, Appl	c 236	15.6	60.0	601	4	US-09-949-016-194482	Sequence 194482, A
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c 166	16	61.5	3234	1	US-08-286-325A-7	Sequence 7, Appl	c 239	15.6	60.0	601	4	US-08-936-165A-44	Sequence 44, Appl
c 167	16	61.5	6223	4	US-09-620-312D-459	Sequence 459, App	c 240	15.6	60.0	1115	3	US-09-270-767-9870	Sequence 9870, Ap
c 168	16	61.5	6304	4	US-09-620-312D-461	Sequence 461, App	c 241	15.6	60.0	1246	4	US-09-800-729-73	Sequence 73, Appl
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c 171	16	61.5	31199	4	US-09-949-016-16516	Sequence 16516, Ap	c 244	15.6	60.0	1950	4	US-09-434-613-2	Sequence 2, Appl
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Pred. No. is the number of results predicted by chance to have a  
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and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	26	100.0	197	3	US-08-617-454-4 Sequence 4, Appli
3	26	100.0	197	5	PCT-US94-01144-4 Sequence 4, Appli
4	26	100.0	2124	1	US-08-803-973-11 Sequence 11, Appl
5	26	100.0	2124	1	US-08-803-972-11 Sequence 11, Appl
6	26	100.0	8012	3	US-09-182-117-1 Sequence 1, Appli
7	26	100.0	8012	4	US-09-434-039A-1 Sequence 1, Appli
8	26	100.0	8418	3	US-09-182-117-5 Sequence 5, Appli
9	26	100.0	8418	4	US-09-434-039A-5 Sequence 5, Appli
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13	26	100.0	10846	4	US-10-164-204-5 Sequence 5, Appli
14	26	100.0	10846	4	US-09-923-109-5 Sequence 5, Appli
15	26	100.0	10900	3	US-09-098-219B-6 Sequence 6, Appli
16	26	100.0	10900	4	US-10-164-204-6 Sequence 6, Appli
17	26	100.0	10900	4	US-09-923-109-6 Sequence 1, Appli
18	26	100.0	12614	4	US-09-577-424-1 Sequence 1, Appli
19	24.4	93.8	11522	4	US-10-052-092-19 Sequence 19, Appl
20	18.6	71.5	169334	4	US-09-949-016-15999 Sequence 15999, A
21	17.6	67.7	51754	4	US-09-949-016-15009 Sequence 15009, A
22	17.6	67.7	51754	4	US-09-949-016-15010 Sequence 15010, A
23	17.6	67.7	51754	4	US-09-949-016-15011 Sequence 15011, A
24	17.6	67.7	51754	4	US-09-949-016-15012 Sequence 15012, A
25	17.6	67.7	51754	4	US-09-949-016-15275 Sequence 15275, A
26	17.6	67.7	51754	4	US-09-949-016-15276 Sequence 15276, A
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c 28	17.6	67.7	51754	4	US-09-949-016-15278	Sequence 15278, A
29	17.6	67.7	68580	4	US-09-949-016-15844	Sequence 15844, A
30	17.2	66.2	1041	4	US-09-328-352-1709	Sequence 1709, Ap
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32	17.2	66.2	1103	4	US-09-270-767-22687	Sequence 22687, A
33	17.2	66.2	26011	4	US-09-949-016-17499	Sequence 17499, A
34	17.2	66.2	52971	4	US-09-949-016-16452	Sequence 16452, A
35	17	65.4	19854	4	US-09-949-016-13585	Sequence 12585, A
36	17	65.4	91559	4	US-09-949-016-17306	Sequence 17306, A
37	17	65.4	91559	4	US-09-949-016-12581	Sequence 12581, A
38	17	65.4	91559	4	US-09-949-016-13701	Sequence 13701, A
39	17	65.4	4403765	3	US-09-103-840A-2	Sequence 2, Appli
40	17	65.4	4411529	3	US-09-103-840A-1	Sequence 1, Appli
41	16.8	64.6	123513	4	US-09-949-016-15794	Sequence 15794, A
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43	16.6	63.8	1410	4	US-09-023-655-913	Sequence 913, App
44	16.6	63.8	2039	4	US-09-949-016-1852	Sequence 1852, App
45	16.6	63.8	2925	4	US-09-540-236-384	Sequence 384, App
46	16.6	63.8	13424	4	US-09-949-016-13594	Sequence 13594, A
47	16.6	63.8	50000	3	US-09-146-053-3	Sequence 3, Appli
48	16.6	63.8	99629	4	US-09-596-002-37	Sequence 37, Appl
49	16.6	63.8	130563	4	US-09-949-016-12273	Sequence 12273, A
50	16.6	63.8	131379	4	US-09-949-016-16050	Sequence 16050, A
51	16.4	63.1	390	4	US-09-513-999C-2995	Sequence 2995, Ap
52	16.4	63.1	601	4	US-09-949-016-76333	Sequence 76333, A
53	16.4	63.1	601	4	US-09-949-016-76334	Sequence 76334, A
54	16.4	63.1	601	4	US-09-949-016-77942	Sequence 77942, A
55	16.4	63.1	640	4	US-08-956-171E-418	Sequence 418, App
56	16.4	63.1	640	4	US-08-781-986A-418	Sequence 418, App
57	16.4	63.1	744	4	US-09-252-991A-16151	Sequence 16151, A
58	16.4	63.1	828	3	US-09-020-956-4	Sequence 4, Appli
59	16.4	63.1	828	3	US-09-030-607-4	Sequence 4, Appli
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62	16.4	63.1	828	3	US-09-232-149A-4	Sequence 4, Appli
63	16.4	63.1	828	4	US-09-159-812-4	Sequence 4, Appli
64	16.4	63.1	828	4	US-09-636-215-4	Sequence 4, Appli
65	16.4	63.1	828	4	US-09-685-166A-4	Sequence 4, Appli
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68	16.4	63.1	828	4	US-09-679-426-4	Sequence 4, Appli
69	16.4	63.1	828	4	US-09-759-143-4	Sequence 4, Appli
70	16.4	63.1	828	4	US-09-651-236-4	Sequence 4, Appli
71	16.4	63.1	1011	4	US-09-248-796A-4696	Sequence 4696, Ap
72	16.4	63.1	1086	1	US-08-415-751-27	Sequence 27, Appl
73	16.4	63.1	1086	1	US-08-415-751-28	Sequence 28, Appl
74	16.4	63.1	1107	4	US-09-252-991A-16449	Sequence 16449, A
75	16.4	63.1	1341	3	US-08-983-075D-6	Sequence 6, Appli
76	16.4	63.1	1358	3	US-08-983-075D-8	Sequence 8, Appli
77	16.4	63.1	1410	4	US-09-252-991A-16339	Sequence 16339, A
78	16.4	63.1	1507	4	US-09-949-016-1840	Sequence 1840, Ap
79	16.4	63.1	1682	4	US-09-620-312D-389	Sequence 389, App
80	16.4	63.1	3279	3	US-09-439-313-382	Sequence 382, App
81	16.4	63.1	3279	3	US-09-352-616A-382	Sequence 382, App
82	16.4	63.1	3279	4	US-09-636-215-382	Sequence 382, App
83	16.4	63.1	3279	4	US-09-685-166A-382	Sequence 382, App
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85	16.4	63.1	3279	4	US-09-759-143-382	Sequence 382, App
86	16.4	63.1	3279	4	US-09-651-236-382	Sequence 382, App
87	16.4	63.1	5163	3	US-08-928-361B-4	Sequence 1, Appli
88	16.4	63.1	5163	3	US-08-928-361B-4	Sequence 4, Appli
89	16.4	63.1	5163	4	US-09-588-995A-4	Sequence 4, Appli
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c 83	17	65.4	237	20	US-10-425-115-17016	Sequence 17016, A	156	16.6	63.8	1205	9	US-09-770-445-41	Sequence 41, Appl
c 84	17	65.4	414	17	US-10-242-535A-23715	Sequence 23715, A	157	16.6	63.8	1410	18	US-10-641-643-913	Sequence 913, App
c 85	17	65.4	414	18	US-10-085-783A-23715	Sequence 23715, A	158	16.6	63.8	1524	9	US-09-925-300-335	Sequence 335, App
c 86	17	65.4	478	19	US-10-021-323-6666	Sequence 6666, Ap	c 159	16.6	63.8	1647	16	US-10-316-253-23	Sequence 23, Appl
c 87	17	65.4	557	13	US-10-027-632-114499	Sequence 114499, c	c 160	16.6	63.8	1952	19	US-10-437-963-96123	Sequence 96123, A
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c 89	17	65.4	557	17	US-10-027-632-114499	Sequence 114499, c	c 162	16.6	63.8	2044	15	US-10-171-581-243	Sequence 243, App
c 90	17	65.4	557	17	US-10-027-632-114500	Sequence 114500, c	c 163	16.6	63.8	2044	15	US-10-170-385-322	Sequence 322, App
c 91	17	65.4	559	18	US-10-240-425-1312	Sequence 1312, Ap	c 164	16.6	63.8	2044	17	US-10-172-118-1025	Sequence 1025, Ap
c 92	17	65.4	608	20	US-10-425-115-726	Sequence 726, App	c 165	16.6	63.8	2044	18	US-10-240-425-1439	Sequence 1439, Ap
c 93	17	65.4	609	13	US-10-027-632-278006	Sequence 278006, c	c 166	16.6	63.8	2044	18	US-10-342-887-1025	Sequence 1025, Ap
c 94	17	65.4	609	17	US-10-027-632-278006	Sequence 278006, c	c 167	16.6	63.8	2044	13	US-10-843-641A-246	Sequence 246, App
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c 97	17	65.4	669	20	US-10-653-047-4917	Sequence 4917, Ap	c 170	16.6	63.8	3153	17	US-10-382-122A-26786	Sequence 26786, A
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c 99	17	65.4	717	13	US-10-027-632-137004	Sequence 137004, c	c 172	16.6	63.8	5811	13	US-10-002-600-15	Sequence 15, Appl
c 100	17	65.4	717	13	US-10-027-632-137003	Sequence 137003, c	c 173	16.6	63.8	5811	21	US-10-893-671-10	Sequence 10, Appl
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c 104	17	65.4	1506	17	US-10-767-701-7929	Sequence 7929, Ap	c 177	16.6	63.8	98865	9	US-09-770-689A-3	Sequence 3, Appli
c 105	17	65.4	1755	19	US-10-369-493-35682	Sequence 35682, A	c 178	16.6	63.8	98865	21	US-10-949-419-3	Sequence 3, Appli
c 106	17	65.4	2471	17	US-10-437-963-89870	Sequence 89870, A	c 179	16.6	63.8	98865	21	US-10-672-787-37	Sequence 37, Appl
c 107	17	65.4	2882	19	US-10-108-260A-88	Sequence 88, Appl	c 180	16.6	63.8	127567	22	US-10-737-082-47	Sequence 47, Appl
c 108	17	65.4	3144	20	US-10-437-963-16134	Sequence 16134, A	c 181	16.6	63.8	127567	22	US-10-765-790-47	Sequence 47, Appl
c 109	17	65.4	3704	17	US-10-398-421-3603	Sequence 119383, c	c 182	16.6	63.8	151152	19	US-10-775-169-243	Sequence 243, App
c 110	17	65.4	3907	19	US-10-437-963-55850	Sequence 55850, A	c 183	16.6	63.8	151152	13	US-10-027-632-76212	Sequence 76212, A
c 111	17	65.4	34378	13	US-10-087-192-1639	Sequence 1639, Ap	c 184	16.6	63.8	2140405	17	US-10-027-632-76212	Sequence 76212, A
c 112	17	65.4	69350	18	US-10-041-018-379	Sequence 379, App	c 185	16.6	63.1	201	21	US-10-741-600-56872	Sequence 56872, A
c 113	17	65.4	70780	20	US-10-719-993-6819	Sequence 6819, Ap	c 186	16.6	63.1	328	17	US-10-242-535A-12190	Sequence 12190, A
c 114	17	65.4	165156	19	US-10-741-601-5668	Sequence 5668, Ap	c 187	16.6	63.1	328	18	US-10-085-783A-12190	Sequence 12190, A
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c 116	17	65.4	493631	13	US-10-087-192-205	Sequence 205, App	c 189	16.6	63.1	402	11	US-10-357-930-13961	Sequence 13961, A
c 117	17	65.4	1691139	14	US-10-067-514-1	Sequence 1, Appli	c 190	16.6	63.1	402	11	US-09-922-293-3573	Sequence 3573, Ap
c 118	17	65.4	1691139	17	US-10-419-723-1	Sequence 1, Appli	c 191	16.6	63.1	402	11	US-09-922-293-3573	Sequence 3573, Ap
c 119	16.8	64.6	249	20	US-10-425-115-97595	Sequence 97595, A	c 192	16.4	63.1	418	11	US-10-357-930-35096	Sequence 35096, A
c 120	16.8	64.6	517	14	US-10-060-036-1432	Sequence 1432, Ap	c 193	16.4	63.1	450	20	US-10-425-115-136887	Sequence 136887, A
c 121	16.8	64.6	531	9	US-09-954-531-13	Sequence 13, Appl	c 194	16.4	63.1	523	20	US-10-425-115-136884	Sequence 136884, A
c 122	16.8	64.6	531	21	US-10-843-641A-1080	Sequence 1080, Ap	c 195	16.4	63.1	523	20	US-10-357-930-43943	Sequence 43943, A
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c 125	16.8	64.6	1073	20	US-10-425-115-93279	Sequence 93279, A	c 198	16.4	63.1	578	13	US-10-027-632-283956	Sequence 283956, A
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c 132	16.6	63.8	209	16	US-10-029-386-26778	Sequence 26778, A	c 205	16.4	63.1	645	16	US-10-080-254-116	Sequence 116, App
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c 135	16.6	63.8	526	16	US-10-029-386-13078	Sequence 13078, A	c 208	16.4	63.1	663	13	US-10-027-632-220545	Sequence 220545, A
c 136	16.6	63.8	526	20	US-10-425-115-6119	Sequence 6119, Ap	c 209	16.4	63.1	663	17	US-10-027-632-220545	Sequence 220545, A
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c 145	16.6	63.8	702	13	US-10-027-632-166242	Sequence 166242, c	c 218	16.4	63.1	828	13	US-10-012-896-4	Sequence 4, Appli
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c 151	16.6	63.8	859	13	US-10-027-632-158089	Sequence 158089, c	c 224	16.4	63.1	1014	20	US-10-425-115-33505	Sequence 33505, A
c 152	16.6	63.8	859	17	US-10-027-632-158089	Sequence 158089, c	c 225	16.4	63.1	1021	17	US-10-321-039-14	Sequence 3, Appli
c 153	16.6	63.8	914	13	US-10-027-632-120774	Sequence 120774, c	c 226	16.4	63.1	1030	9	US-09-945-376-3	Sequence 3, Appli

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:57 ; Search time 115.702 Seconds  
(without alignments)  
1409.457 Million cell updates/sec

Title: US-09-912-968A-9

Perfect score: 26

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 6313374 seqs, 3136092125 residues

Total number of hits satisfying chosen parameters: 12626748

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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5	26	100.0	1008	18	US-10-412-699B-309
6	26	100.0	1008	21	US-10-225-068-101
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164	22	100.0	683	2	BF004902	EST433463	237	21	95.5	295	7	CF085702	QHL6012.Y
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170	22	100.0	691	2	BF634670	NF063C08D	243	21	95.5	304	7	CF080781	QHL10W16.

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 206.014 Seconds  
(without alignments)  
4064.839 Million cell updates/sec

Title: US-09-912-968a-7

Perfect score: 22

Sequence: 1 caacgttcgtaagtcaatgc 22

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : EST:\*

1: gb\_est1:\*

2: gb\_est2:\*

3: gb\_hc:\*

4: gb\_est3:\*

5: gb\_est4:\*

6: gb\_est5:\*

7: gb\_est6:\*

8: gb\_gss1:\*

9: gb\_gss2:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

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6	22	100.0	177	6	CD860827 TNE.003C2
7	22	100.0	191	6	CD861044 TNE.00301
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11	22	100.0	273	4	CD860700 TE.005K10
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	49	22	100.0	543	2	BF632164
	50	22	100.0	547	4	BI263849
	51	22	100.0	548	2	BF005413
	52	22	100.0	551	4	BI270191
	53	22	100.0	552	2	BF519452
	54	22	100.0	553	7	CF088949
	55	22	100.0	555	2	AW775403
	56	22	100.0	560	2	BF005450
	57	22	100.0	563	2	BF006181
	58	22	100.0	564	2	BF519556
	59	22	100.0	564	2	BF520291
	60	22	100.0	564	2	BF322400
C	61	22	100.0	564	2	BF005007
	62	22	100.0	565	2	BF519036
	63	22	100.0	566	2	AW776057
	64	22	100.0	566	2	BE316039
	65	22	100.0	566	2	BF006323
	66	22	100.0	568	2	BF004889
	67	22	100.0	570	2	BF005313
	68	22	100.0	575	4	BI266512
	69	22	100.0	576	2	BE318958
	70	22	100.0	576	6	CD859137
	71	22	100.0	577	2	BF005795
C	72	22	100.0	581	2	AW776118
	73	22	100.0	581	2	BF005054
	74	22	100.0	581	2	BF005073
	75	22	100.0	581	2	BF005874
	76	22	100.0	581	2	BF005929
	77	22	100.0	583	2	BE322078
	78	22	100.0	584	4	BI263556
	79	22	100.0	585	2	BF519759
	80	22	100.0	585	2	AW775375
	81	22	100.0	585	4	BQ458057
	82	22	100.0	587	2	BF004935
	83	22	100.0	587	2	BF005695
	84	22	100.0	588	2	BF520315
	85	22	100.0	588	2	BF520960
	86	22	100.0	588	2	BF005582
	87	22	100.0	588	2	BF006540
C	88	22	100.0	591	2	BF637013
	89	22	100.0	596	2	BF005263
	90	22	100.0	596	4	BQ450125
	91	22	100.0	600	7	CO514649
	92	22	100.0	602	2	BF005037
	93	22	100.0	602	5	BQ141468
	94	22	100.0	604	6	CF068572
	95	22	100.0	605	4	BI268997
	96	22	100.0	607	4	BQ450049
C	97	22	100.0	610	2	BE324993

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BQ153331	NF035B06I
BQ450105	NF013D04D
BQ154421	NF069F10I
BQ155838	NF084G03I
BQ152634	NF021G08I
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BQ451570	NF110E09D
AW127576	M110303 D
BF637518	NF029F05P
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BF005681	EST434179
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BI263849	NF118A03P
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BI270191	NF001G10F
BF519452	EST456915
CF088949	QHM20U13.
AW775403	EST334468
BF005450	EST433948
BF006181	EST434616
BF519556	EST457020
BF520291	EST457761
BF322400	NF020F07I
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BF519036	EST456496
AW776057	EST335122
BE316039	NF030A08L
BF006323	EST434821
BF004889	EST433450
BF005313	EST43381I
BI266512	NF098H07I
BE318958	NF034G05L
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BF005795	EST434293
AW776118	EST335183
BF005054	EST433552
BF005073	EST433571
BF005874	EST434372
BF005929	EST434427
BE322078	NF049F11I
BI263556	NF086C04P
BF519759	EST457223
AW775375	EST334440
BQ458057	NF050E10P
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BF520315	EST457785
BF520960	EST458433
BF005582	EST434080
BF006540	EST435038
BF637013	NF048D04L
BF005263	EST433761
BQ450125	NF013A02D
CO514649	e13D8G46D
BF005037	EST433535
BQ141468	NF019H04P
CF068572	EST669293
BI268997	NF002C10I
BQ450049	NF011A05D
BE324993	NF019B10P

94	17.2	78.2	271	12	ADP57246	Adp57246 Soybean c	167	16.2	73.6	349980	5	AAH41223	Aah41223 Pyrococcus
95	17.2	78.2	272	12	ADP57248	Adp57248 Soybean c	168	16.2	73.6	349980	5	AAH41224	Aah41224 Pyrococcus
96	17.2	78.2	276	12	ADP57286	Adp57286 Soybean c	c 169	15.8	71.8	594	6	ABN89069	Abn89069 Human pro
97	17.2	78.2	281	12	ADP57245	Adp57245 Soybean c	c 170	15.8	71.8	632	6	ABN89070	Abn89070 Human pro
98	17.2	78.2	282	12	ADP57265	Adp57265 Soybean c	c 171	15.8	71.8	1061	3	AAF09266	Aaf09266 Fusarium
99	17.2	78.2	283	12	ADP57273	Adp57273 Soybean c	c 172	15.8	71.8	1188	12	ADL71005	Adl71005 Bacterioph
100	17.2	78.2	291	12	ADP57231	Adp57231 Soybean c	c 173	15.8	71.8	1188	12	ADO47836	Ado47836 Bacterioph
101	17.2	78.2	292	12	ADP57231	Adp57231 Soybean c	c 174	15.8	71.8	1406	2	AAH13510	Aah13510 Enterococ
102	17.2	78.2	316	12	ADP57770	Adp57770 Soybean c	c 175	15.8	71.8	1406	6	ABS99305	Abs99305 Enterococ
103	17.2	78.2	331	11	ADM45175	Adm45175 Insect re	c 176	15.8	71.8	1872	8	ACA23789	Aca23789 Prokaryot
104	17.2	78.2	354	12	ADP57744	Adp57744 Soybean c	c 177	15.8	71.8	2232	4	AA553272	Aa553272 Haemophil
105	17.2	78.2	356	12	ADP57746	Adp57746 Soybean c	c 178	15.8	71.8	2232	8	ACA34084	Aca34084 Prokaryot
106	17.2	78.2	392	12	ADP57729	Adp57729 Soybean c	c 179	15.8	71.8	2450	13	ADS48666	Ads48666 Bacterial
c 107	17.2	78.2	426	13	ACN61094	Acn61094 Cotton gy	c 180	15.8	71.8	2578	13	ADS60944	Ads60944 Bacterial
108	17.2	78.2	579	11	ADM45168	Adm45168 Insect re	c 181	15.8	71.8	2874	4	ABL29605	AbL29605 Drosophil
109	17.2	78.2	581	10	ADC75089	Adc75089 N bentham	c 182	15.8	71.8	3011	4	ABL29598	AbL29598 Drosophil
110	17.2	78.2	608	10	ADC76944	Adc76944 DNA homol	c 183	15.8	71.8	3381	4	ABL25950	AbL25950 Drosophil
111	17.2	78.2	609	10	ADC76965	Adc76965 DNA homol	c 184	15.8	71.8	3609	4	ABL25952	AbL25952 Drosophil
112	17.2	78.2	614	10	ADC76956	Adc76956 DNA homol	c 185	15.8	71.8	8668	2	AAQ50433	AaQ50433 Partial h
113	17.2	78.2	615	10	ADC76949	Adc76949 DNA homol	c 186	15.8	71.8	10942	4	ABL29604	AbL29604 Drosophil
114	17.2	78.2	619	11	ADM45158	Adm45158 Insect re	c 187	15.8	71.8	13131	6	ABL92248	AbL92248 Chemical
115	17.2	78.2	632	10	ADC76953	Adc76953 DNA homol	c 188	15.8	71.8	13380	4	AA559637	Aa559637 Propionib
116	17.2	78.2	668	10	ADK59825	Adk59825 Plant DNA	c 189	15.8	71.8	13380	8	ACF64566	Acf64566 Enterococ
117	17.2	78.2	668	11	ADM45687	Adm45687 Insect re	c 190	15.8	71.8	17082	2	AAH13166	Aah13166 Enterococ
118	17.2	78.2	684	10	ADC76948	Adc76948 DNA homol	c 191	15.8	71.8	17082	6	ABS98961	Abs98961 Enterococ
119	17.2	78.2	714	10	ADK54320	Adk54320 Plant DNA	c 192	15.8	71.8	22345	4	ABL02352	AbL02352 Drosophil
120	17.2	78.2	718	10	ADK58382	Adk58382 Plant DNA	c 193	15.8	71.8	91608	10	AAH54538	Aah54538 Arabidops
121	17.2	78.2	725	11	ADM44821	Adm44821 Insect re	c 194	15.8	71.8	110000	2	AA42063_03	Continuation (4 of
122	17.2	78.2	736	10	ADK54321	Adk54321 Plant DNA	c 195	15.8	71.8	120670	12	ADQ59167	Adq59167 MSI-H car
123	17.2	78.2	736	10	ADK57661	Adk57661 Plant DNA	c 196	15.8	70.9	253	12	ADQ66104	Adq66104 Soybean t
124	17.2	78.2	736	10	ADK57660	Adk57660 Plant DNA	c 197	15.6	70.9	291	12	ADP57680	Adp57680 Soybean c
125	17.2	78.2	741	11	ADM45450	Adm45450 Insect re	c 198	15.6	70.9	321	4	AAH53449	Aah53449 S. epidid
c 126	17.2	78.2	806	11	ADM45686	Adm45686 Insect re	c 199	15.6	70.9	354	6	ABN91324	Abn91324 Staphyloc
127	17.2	78.2	841	11	ADM44879	Adm44879 Insect re	c 200	15.6	70.9	354	13	ADS01080	AdS01080 Staphyloc
128	17.2	78.2	847	11	ADM45447	Adm45447 Insect re	c 201	15.6	70.9	375	3	AA45166	Aa45166 Arabidops
129	17.2	78.2	859	11	ADM45065	Adm45065 Insect re	c 202	15.6	70.9	453	6	ABL93846	AbL93846 Arabidops
130	17.2	78.2	924	10	ADC75566	Adc75566 DNA homol	c 203	15.6	70.9	471	6	ABL93405	AbL93405 Arabidops
131	17.2	78.2	958	10	ADC76165	Adc76165 DNA homol	c 204	15.6	70.9	503	10	ADE81601	Ade81601 Arabidops
c 132	17.2	78.2	1959	3	AAA07582	Aaa07582 Marigold	c 205	15.6	70.9	546	3	AA48432	Aa48432 Arabidops
c 133	16.8	76.4	203	11	ADM45126	Adm45126 Insect re	c 206	15.6	70.9	546	3	AA48433	Aa48433 Arabidops
c 134	16.8	76.4	110000	6	ADN73596	Adn73596 Human gen	c 207	15.6	70.9	546	12	ADN73596	Adn73596 Thale cre
c 135	16.4	74.5	624	11	ABD16287	Abd16287 Pseudomon	c 208	15.6	70.9	573	4	ABA61750	AbA61750 Human fce
c 136	16.4	74.5	1536	11	ABD16136	Abd16136 Pseudomon	c 209	15.6	70.9	573	4	AAI41668	Aai41668 Probe #18
137	16.4	74.5	1557	4	AAH15681	Aah15681 Human cdn	c 210	15.6	70.9	573	4	ABA29373	AbA29373 Probe #78
138	16.4	74.5	1557	11	ABD16411	Abd16411 Pseudomon	c 211	15.6	70.9	573	4	AAK35954	Aak35954 Human bon
139	16.4	74.5	1560	4	AAK66170	Aak66170 Human imm	c 212	15.6	70.9	573	4	AAK10060	Aak10060 Human bra
140	16.2	73.6	231	12	ADP57559	Adp57559 Soybean c	c 213	15.6	70.9	573	4	ABS35658	AbA35658 Human liv
141	16.2	73.6	238	12	ADP57566	Adp57566 Soybean c	c 214	15.6	70.9	573	6	ABS10158	AbA10158 Human gen
142	16.2	73.6	257	12	ADP57326	Adp57326 Soybean c	c 215	15.6	70.9	578	10	ABX56841	AbX56841 Arabidops
143	16.2	73.6	364	2	AAQ80917	Aaq80917 Spruce tr	c 216	15.6	70.9	599	3	AA47674	Aa47674 Arabidops
144	16.2	73.6	622	10	ADD17683	Adl17683 DNA (Seqi	c 217	15.6	70.9	600	3	AA43137	Aa43137 Arabidops
145	16.2	73.6	622	10	ADK56263	Adk56263 Plant DNA	c 218	15.6	70.9	600	8	ACA63072	Aca63072 A. thalia
146	16.2	73.6	622	10	ADK57288	Adk57288 Plant DNA	c 219	15.6	70.9	618	3	AA49295	Aa49295 Arabidops
147	16.2	73.6	744	4	ABL27153	AbL27153 Drosophil	c 220	15.6	70.9	618	5	ABV60888	AbV60888 Human pro
c 148	16.2	73.6	1045	3	AAF14588	Aaf14588 Aspergill	c 221	15.6	70.9	632	6	ABQ66100	AbQ66100 Arabidops
c 149	16.2	73.6	2000	10	ADC08578	Acc60813 Gene sequ	c 222	15.6	70.9	639	11	ADM45122	Adm45122 Insect re
c 150	16.2	73.6	2000	10	ACC60813	Acc60813 Gene sequ	c 223	15.6	70.9	639	11	ADM45116	Adm45116 Insect re
c 151	16.2	73.6	2000	10	ADK62033	Adk62033 Drosophil	c 224	15.6	70.9	681	6	ABQ65767	AbQ65767 Arabidops
c 152	16.2	73.6	2510	4	ABL27146	AbL27146 Drosophil	c 225	15.6	70.9	724	6	ABK30640	AbK30640 Plant dwa
c 153	16.2	73.6	2791	4	ABL22182	AbL22182 Drosophil	c 226	15.6	70.9	724	6	ABK30640	AbK30640 Plant dwa
c 154	16.2	73.6	2791	10	ADE54659	Ade54659 Rat gene	c 227	15.6	70.9	726	6	ABK30788	AbK30788 Plant dwa
155	16.2	73.6	2877	4	ABL05176	AbL05176 Drosophil	c 228	15.6	70.9	727	11	ADM44972	Adm44972 Insect re
156	16.2	73.6	2877	4	ABL27152	AbL27152 Drosophil	c 229	15.6	70.9	741	11	ADM45551	Adm45551 Insect re
157	16.2	73.6	3189	8	ACA45362	Aca45362 Prokaryot	c 230	15.6	70.9	745	11	ADM45553	Adm45553 Insect re
158	16.2	73.6	3242	4	ABL27148	AbL27148 Drosophil	c 231	15.6	70.9	765	11	ABD11899	Abd11899 Pseudomon
c 159	16.2	73.6	5814	4	ABL23640	AbL23640 Drosophil	c 232	15.6	70.9	767	6	ABN99163	Abn99163 Arabidops
c 160	16.2	73.6	5834	4	ABL18746	AbL18746 Drosophil	c 233	15.6	70.9	771	5	AAH67600	Aah67600 C glutam
c 161	16.2	73.6	11477	4	ABL17946	AbL17946 Drosophil	c 234	15.6	70.9	771	6	ABN99150	Abn99150 Arabidops
c 162	16.2	73.6	12600	4	ABL17948	AbL17948 Drosophil	c 235	15.6	70.9	780	6	ABN99112	Abn99112 Arabidops
c 163	16.2	73.6	12600	4	ABL17952	AbL17952 Drosophil	c 236	15.6	70.9	894	6	ABN98717	Abn98717 Arabidops
c 164	16.2	73.6	12600	4	ABL27368	AbL27368 Drosophil	c 237	15.6	70.9	934	8	ABQ83212	AbQ83212 Coffee tb
c 165	16.2	73.6	37091	4	ABL14244	AbL14244 Drosophil	c 238	15.6	70.9	999	10	ADK64181	AdK64181 Disease t
c 166	16.2	73.6	177587	11	ACN44806	Acn44806 Human gen	c 239	15.6	70.9	999	11	ABD11950	Abd11950 Pseudomon

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 31.4374 Seconds  
(without alignments)  
4142.654 Million cell updates/sec

Title: US-09-912-968A-7

Perfect score: 22

Sequence: 1 caacgttcgcaagtcaatgc 22

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Database : N\_Geneseq\_16Dec04:\*

1: Geneseqn1980s:\*

2: Geneseqn1990s:\*

3: Geneseqn2000s:\*

4: Geneseqn2001as:\*

5: Geneseqn2001bs:\*

6: Geneseqn2002as:\*

7: Geneseqn2002bs:\*

8: Geneseqn2003as:\*

9: Geneseqn2003bs:\*

10: Geneseqn2003cs:\*

11: Geneseqn2003ds:\*

12: Geneseqn2004as:\*

13: Geneseqn2004bs:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query %	Match	Length	DB	ID	Description
1	22	100.0	22	6	ABN84493		Abn84493 Arabidops
2	22	100.0	197	3	Aaz88564		Aaz88564 PLRV cDNA
3	22	100.0	632	6	ABN83922		Abn83922 E9 3'term
4	22	100.0	761	12	ADO03550		Ado03550 Thalecres
5	22	100.0	824	12	ADO03552		Ado03552 Thalecres
6	22	100.0	835	12	ADO03546		Ado03546 Thalecres
7	22	100.0	1008	10	ADE37162		Ad37162 plant yle
8	22	100.0	1008	12	ADI41630		Adi41630 plant tra
9	22	100.0	1008	12	ADO01896		Ado01896 Thalecres
10	22	100.0	1147	4	AAO06461		Aao06461 Arabidops
11	22	100.0	1998	8	ABV76269		Abv76269 Expressio
12	22	100.0	2208	2	AAQ39180		Aaq39180 Truncated
13	22	100.0	3706	13	ADR49368		Adr49368 H7-1 tran
14	22	100.0	3778	13	ADR49367		Adr49367 Vector pv
15	22	100.0	6128	9	ACC85050		Acc85050 Inducible
16	22	100.0	7129	10	ADE97423		Ade97423 DNA deriv
17	22	100.0	8012	2	AAx57305		Aax57305 Sugar bee
18	22	100.0	8418	2	AAx57309		Aax57309 Sugar bee
19	22	100.0	8798	2	AAx57308		Aax57308 Sugar bee
20	22	100.0	10846	6	ABs54336		AbS54336 E. coli f

21	22	100.0	10847	2	AAx08923		Aax08923 Vector co
22	22	100.0	10900	2	AAx08924		Aax08924 Vector co
23	22	100.0	10900	6	ABs54337		Abss54337 E. coli f
24	22	100.0	11522	6	ABK89709		Abk89709 Oestrogen
25	22	100.0	11606	12	ADQ13598		Adq13598 Plasmid p
26	22	100.0	12304	8	ABV75876		Abv75876 Luciferas
27	22	100.0	12497	8	ABV75875		Abv75875 Luciferas
28	22	100.0	12614	4	AAc66931		Aac66931 Plant sig
29	21	95.5	937	4	AAO06469		Aao06469 Arabidops
30	21	95.5	937	10	ADD55739		Add55739 Thalecres
31	21	95.5	937	12	ADO01840		Ado01840 Thalecres
32	21	95.5	961	12	ADO03542		Ado03542 Thalecres
33	19.4	88.2	355	11	ADM44654		Adm44654 Insect re
34	19.4	88.2	618	10	ADC76975		Adc76975 DNA homol
35	19.4	88.2	618	10	ADC75104		Adc75104 Poppy phy
36	19.4	88.2	618	10	ADC75565		Adc75565 DNA homol
37	19.4	88.2	626	11	ADM45193		Adm45193 Insect re
38	19.4	88.2	649	10	ADK54466		Adk54466 Plant DNA
39	19.4	88.2	649	10	ADK57647		Adk57647 Plant DNA
40	19.4	88.2	649	11	ADM45453		Adm45453 Insect re
41	19.4	88.2	677	11	ADM45205		Adm45205 Insect re
42	19.4	88.2	762	10	ADK54329		Adk54329 Plant DNA
43	19.4	88.2	764	10	ADK56736		Adk56736 Plant DNA
44	19.4	88.2	1878	10	ADK57663		Adk57663 Plant DNA
45	19.4	88.2	3580	11	ADM44839		Adm44839 Insect re
46	19	86.4	854	12	ADO03548		Ado03548 Thalecres
47	18.8	85.5	276	12	ADP57220		Adp57220 Soybean c
48	18.8	85.5	654	10	ADK57659		Adk57659 Plant DNA
49	18.8	85.5	655	11	ADM45154		Adm45154 Insect re
50	18.8	85.5	683	10	ADK54330		Adk54330 Plant DNA
51	18.8	85.5	737	10	ADK57662		Adk57662 Plant DNA
52	18.8	85.5	737	10	ADK58383		Adk58383 Plant DNA
53	18.8	85.5	738	10	ADK54333		Adk54333 Plant DNA
54	18.8	85.5	753	10	ADK58381		Adk58381 Plant DNA
55	18.8	85.5	754	10	ADK57645		Adk57645 Plant DNA
56	18.8	85.5	789	11	ADM44820		Adm44820 Insect re
57	18.8	85.5	811	11	ADM45377		Adm45377 Insect re
58	18.8	85.5	834	11	ADM44819		Adm44819 Insect re
59	17.8	80.9	204	6	ABN77145		Abn77145 Human iso
60	17.8	80.9	594	11	ADM45192		Adm45192 Insect re
61	17.8	80.9	594	11	ADM44653		Adm44653 Insect re
62	17.8	80.9	629	10	ADK52842		Adk52842 Plant DNA
63	17.8	80.9	629	11	ADM44652		Adm44652 Insect re
64	17.8	80.9	1254	12	ADM36216		Adm36216 Murine SS
65	17.8	80.9	2674	13	ADR49482		Adr49482 Mouse end
66	17.8	80.9	16811	10	ADD48725		Add48725 Human gen
67	17.8	80.9	16811	10	ADD47385		Add47385 Human gen
68	17.2	78.2	162	12	ADP57644		Adp57644 Soybean c
69	17.2	78.2	165	12	ADP57620		Adp57620 Soybean c
70	17.2	78.2	230	12	ADP57480		Adp57480 Soybean c
71	17.2	78.2	240	12	ADP57539		Adp57539 Soybean c
72	17.2	78.2	241	12	ADP57473		Adp57473 Soybean c
73	17.2	78.2	247	12	ADP57380		Adp57380 Soybean c
74	17.2	78.2	247	12	ADP57359		Adp57359 Soybean c
75	17.2	78.2	249	12	ADP57324		Adp57324 Soybean c
76	17.2	78.2	249	12	ADP57353		Adp57353 Soybean c
77	17.2	78.2	250	12	ADP57357		Adp57357 Soybean c
78	17.2	78.2	251	12	ADP57349		Adp57349 Soybean c
79	17.2	78.2	252	12	ADP57586		Adp57586 Soybean c
80	17.2	78.2	253	12	ADP57347		Adp57347 Soybean c
81	17.2	78.2	253	12	ADP57477		Adp57477 Soybean c
82	17.2	78.2	253	12	ADP57322		Adp57322 Soybean c
83	17.2	78.2	258	12	ADP57310		Adp57310 Soybean c
84	17.2	78.2	258	12	ADP57314		Adp57314 Soybean c
85	17.2	78.2	259	12	ADP57276		Adp57276 Soybean c
86	17.2	78.2	259	12	ADP57373		Adp57373 Soybean c
87	17.2	78.2	261	12	ADP57587		Adp57587 Soybean c
88	17.2	78.2	266	12	ADP57267		Adp57267 Soybean c
89	17.2	78.2	266	12	ADP57445		Adp57445 Soybean c
90	17.2	78.2	267	12	ADP57264		Adp57264 Soybean c
91	17.2	78.2	267	12	ADP57301		Adp57301 Soybean c
92	17.2	78.2	267	12	ADP57568		Adp57568 Soybean c
93	17.2	78.2	269	12	ADP57312		Adp57312 Soybean c

93	17.8	80.9	1254	10	AY548112	AV548112 Mus muscu	c 166	17.2	78.2	152520	2	CR812484	CR812484
94	17.8	80.9	1829	10	BC024505	BC024505 Mus muscu	c 167	17.2	78.2	161841	2	AC117653	AC117653 Mus muscu
95	17.8	80.9	2254	10	BC036155	BC036155 Mus muscu	c 168	17.2	78.2	187218	9	AC087174	AC087174 Homo sapi
c 96	17.8	80.9	2407	5	AB009074	AB009074 Triakis a	c 169	17.2	78.2	188002	9	AC008069	AC008069 Homo sapi
97	17.8	80.9	2589	10	BC046789	BC046789 Mus muscu	c 170	17.2	78.2	192050	2	AC069334	AC069334 Homo sapi
98	17.8	80.9	2636	10	BC046789	BC046789 Mus muscu	c 171	17.2	78.2	192050	2	AC069334	AC069334 Homo sapi
99	17.8	80.9	2636	10	BC046789	BC046789 Mus muscu	c 172	17.2	78.2	192050	2	AC069334	AC069334 Homo sapi
100	17.8	80.9	2674	10	BC0616252	BC0616252 Mus muscu	c 172	17.2	78.2	224386	2	AC099090	AC099090 Rattus no
101	17.8	80.9	3024	8	CIP6RS	L10213 Mesembryant	c 172	17.2	78.2	224386	2	AC099090	AC099090 Rattus no
102	17.8	80.9	39215	3	CEB1054	274030 Caenorhabdi	c 174	17.2	78.2	236021	2	AC133388	AC133388 Rattus no
103	17.8	80.9	110000	8	CR382122_06	Continuation (12 o	c 176	17.2	78.2	266131	2	AC114868	AC114868 Rattus no
104	17.8	80.9	184111	2	AC110142	Continuation (7 of	c 177	17.2	78.2	270633	2	AC128355	AC128355 Rattus no
105	17.8	80.9	204926	2	AC110142	AC110142 Rattus no	c 177	17.2	78.2	270633	2	AC128355	AC128355 Rattus no
c 106	17.8	80.9	212046	2	AC131582	AC128263 Rattus no	c 178	17.2	78.2	335862	1	AF005089	AF005089 Bradyrhiz
c 107	17.8	80.9	212046	2	AC131582	AC131582 Mus muscu	c 179	17.2	78.2	335862	1	AF005089	AF005089 Bradyrhiz
c 108	17.8	80.9	255367	2	AC121743	AC069562 Mus muscu	c 180	16.8	76.4	825	3	AF337016	AF337016 Aphidius
c 109	17.4	79.1	312	8	AY185117	AC121743 Rattus no	c 181	16.8	76.4	943	11	CNS06IMZ	AL400497 T7 end of
c 110	17.4	79.1	85368	9	AC073516	AY185117 Brassica	c 182	16.8	76.4	1183	3	AF303251	AF303251 Caenorhab
c 111	17.4	79.1	97982	8	AC140722	AC073516 Homo sapi	c 183	16.8	76.4	21816	3	CEC47P8	AL009246 Caenorhab
c 112	17.4	79.1	112516	9	AC080079	AC140722 Medicago	c 184	16.8	76.4	25313	1	AS014227	AE014227 Streptoco
c 113	17.4	79.1	176787	2	AC021374	AC080079 Homo sapi	c 185	16.8	76.4	26411	3	U23486	U23486 Caenorhabdi
c 114	17.4	79.1	220579	9	AC130456	AC021374 Homo sapi	c 186	16.8	76.4	39496	3	U23486	U23486 Caenorhabdi
c 115	17.4	79.1	220579	9	AC130456	AC130456 Homo sapi	c 187	16.8	76.4	63771	6	AX602200	AX602200 Sequence
c 116	17.2	78.2	342	8	PM083379	U91321 Human Chrom	c 188	16.8	76.4	99795	8	AC113332	AC113332 Oryza sat
c 117	17.2	78.2	453	8	TOBRBPC	U83979 Populus max	c 189	16.8	76.4	110000	8	CR382130_34	Continuation (35 o
c 118	17.2	78.2	515	8	AF411547	J01308 Nicotiana s	c 190	16.8	76.4	141036	2	AF003941	AF003941 Oryza sat
c 119	17.2	78.2	660	8	CNS0181Q	AF411547 Medicago	c 191	16.8	76.4	141036	2	AF003941	AF003941 Oryza sat
c 120	17.2	78.2	677	8	AF044397	AL114282 Botrytis	c 192	16.8	76.4	163023	2	AC091526	AC091526 Trypanoso
c 121	17.2	78.2	680	8	CIPRBCS2	AF044397 Flaveria	c 193	16.8	76.4	165630	8	AP003617	AP003617 Oryza sat
c 122	17.2	78.2	686	8	RO8428877	M83116 Mesembryant	c 194	16.8	76.4	166679	2	AC105366	AC105366 Rattus no
c 123	17.2	78.2	729	8	CAE131050	AJ428877 Rumex obt	c 195	16.8	76.4	167050	1	SA0768847	AL766847 Streptoco
c 124	17.2	78.2	731	8	FP029937	AJ31050 Cicer ari	c 196	16.8	76.4	180366	2	CR753867	CR753867 Danto rer
c 125	17.2	78.2	732	8	FP029937	U29937 Flaveria pr	c 197	16.8	76.4	180461	1	AF250878	AF250878 Salmonell
c 126	17.2	78.2	743	8	FP029939	AF056315 Medicago	c 198	16.8	76.4	188969	2	CR735112	CR735112 Danto rer
c 127	17.2	78.2	746	8	FP029935	U29939 Flaveria pr	c 199	16.8	76.4	197615	5	BA70161	BA70161 Zebrafish
c 128	17.2	78.2	750	8	AF303939	U29935 Flaveria pr	c 200	16.8	76.4	218160	1	STVPHCM1	AL513383 Salmonell
c 129	17.2	78.2	761	8	AJ8433975	AF303939 Glycine m	c 201	16.8	76.4	227595	10	AC111275	AC111275 Rattus no
c 130	17.2	78.2	762	8	GMU39567	U39567 Glycine max	c 202	16.8	76.4	238819	2	CR391942	CR391942 Danto rer
c 131	17.2	78.2	772	8	AF303941	U39567 Glycine m	c 203	16.8	76.4	249884	2	AC107121	AC107121 Rattus no
c 132	17.2	78.2	775	8	AF303941	AF303941 Glycine m	c 204	16.8	76.4	299850	1	AP001514	AP001514 Bacillus
c 133	17.2	78.2	782	8	AF139469	AF139469 Vigna rad	c 205	16.8	76.4	302150	1	AP001510	AP001510 Bacillus
c 134	17.2	78.2	796	8	NSRUB1	X01722 Nicotiana s	c 206	16.8	76.4	349880	6	C0655059	C0655059 Sequence
c 135	17.2	78.2	806	8	AJ8433972	AJ8433972 Plantago	c 207	16.8	76.4	349880	6	C0655059	C0655059 Sequence
c 136	17.2	78.2	806	8	AY220079	AY220079 Nicotiana	c 208	16.4	74.5	495	6	C0687933	C0687933 Sequence
c 137	17.2	78.2	812	8	CUSSSU	M16056 Cucumbr SS	c 209	16.4	74.5	495	6	C0687933	C0687933 Sequence
c 138	17.2	78.2	830	8	AF303940	AF303940 Glycine m	c 210	16.4	74.5	1481	3	AK113758	AK113758 Ciona int
c 139	17.2	78.2	1027	8	TOBRBCSC	M13544 Tomato (L.e	c 211	16.4	74.5	1557	6	BD157673	BD157673 Primer fo
c 140	17.2	78.2	1054	8	LERBCS3B	X05985 Tomato rbcS	c 212	16.4	74.5	1557	6	AX879139	AX879139 Sequence
c 141	17.2	78.2	1069	8	GTU39857	U39857 Glycine tom	c 213	16.4	74.5	1557	6	AX879139	AX879139 Sequence
c 142	17.2	78.2	1089	8	GSU39856	U39856 Glycine soj	c 214	16.4	74.5	1686	3	AK115047	AK115047 Ciona int
c 143	17.2	78.2	1261	8	LERBCS3C	BT012936 Lycopersi	c 215	16.4	74.5	4214	1	AF234375	AF234375 Escherich
c 144	17.2	78.2	1341	8	AF303941	X05986 Tomato rbcS	c 216	16.4	74.5	7035	1	AF231986	AF231986 Escherich
c 145	17.2	78.2	1471	8	AF099484	AY099484 Tagetes e	c 217	16.4	74.5	10188	1	AE004693	AE004693 Pseudomon
c 146	17.2	78.2	1520	8	LEPBCS3A	X05984 Tomato rbcS	c 218	16.4	74.5	28737	3	CET06066	Z81587 Caenorhabdi
c 147	17.2	78.2	1601	8	GMURBP	V00458 Glycine max	c 219	16.4	74.5	35631	1	AX536429	AX536429 Escherich
c 148	17.2	78.2	1906	8	AF251017	AF251017 Tagetes e	c 220	16.4	74.5	81609	8	AC027035	AC027035 Arabidops
c 149	17.2	78.2	1959	6	AR152412	AR152412 Sequence	c 221	16.4	74.5	90632	8	AC021045	AC021045 Arabidops
c 150	17.2	78.2	2185	8	SOVRUPPA	BD247533 Method fo	c 222	16.4	74.5	93399	1	AB021078	AB021078 plasmid C
c 151	17.2	78.2	2293	8	NPRBCS8B	M16889 Soybean rib	c 223	16.4	74.5	110000	1	AE016827_09	Continuation (10 o
c 152	17.2	78.2	2293	8	NPRBCS8B	X13711 Nicotiana p	c 224	16.4	74.5	142915	9	AC105288	AC105288 Homo sapi
c 153	17.2	78.2	2362	8	NTRUBS	M36685 N.plumbagin	c 225	16.4	74.5	142915	9	AC105288	AC105288 Homo sapi
c 154	17.2	78.2	2671	8	CIP2RSS	X03353 Tobacco gen	c 226	16.4	74.5	217807	2	AC117034	AC117034 Rattus no
c 155	17.2	78.2	2760	8	SOATPD	L10214 Mesembryant	c 227	16.4	74.5	250466	2	AC125924	AC125924 Rattus no
c 156	17.2	78.2	4124	8	TOBRBCO	X61362 Spinach atp	c 228	16.2	73.6	165	6	AR498325	AR498325 Sequence
c 157	17.2	78.2	94169	9	BC842635	D11112 Tomato ribu	c 229	16.2	73.6	165	6	AR513607	AR513607 Sequence
c 158	17.2	78.2	97199	9	AX016480	AX016480 Homo sapi	c 230	16.2	73.6	540	8	AY224053	AY224053 Zea mays
c 159	17.2	78.2	110000	1	CP000010_16	Continuation (27 o	c 231	16.2	73.6	553	6	AR499592	AR499592 Sequence
c 160	17.2	78.2	110000	1	CP000010_16	Continuation (17 o	c 232	16.2	73.6	553	6	AR499592	AR499592 Sequence
c 161	17.2	78.2	110000	1	CP000010_16	Continuation (4 of	c 233	16.2	73.6	601	11	BV187370	BV187370 sqm15407
c 162	17.2	78.2	110572	8	AC147741	AC147741 Medicago	c 234	16.2	73.6	744	8	CIPRBCS4	CQ610212 Sequence
c 163	17.2	78.2	112032	2	AC145221	AC145221 Medicago	c 235	16.2	73.6	747	8	CIPRBCS3	M38318 Mesembryant
c 164	17.2	78.2	135173	9	AC008806	AC008806 Homo sapi	c 236	16.2	73.6	765	8	CIPRBCS3	M38317 Mesembryant
c 165	17.2	78.2	144641	2	AC116530	AC116530 Mus muscu	c 237	16.2	73.6	776	8	CIPRBC	M31640 Ice plant r
							c 238	16.2	73.6	835	8	AF162210	AF162210 Lactuca s

GenCore version 5.1.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 264.464 Seconds  
(without alignments)  
4030.848 Million cell updates/sec

Title: US-09-912-968A-7

Perfect score: 22

Sequence: 1 caacgttcgtaagtcaatgc 22

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 9416466

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Database :

GenEmbl: \*

1: gb\_ba:\*

2: gb\_htg:\*

3: gb\_in:\*

4: gb\_om:\*

5: gb\_ov:\*

6: gb\_pat:\*

7: gb\_ph:\*

8: gb\_pl:\*

9: gb\_pr:\*

10: gb\_ro:\*

11: gb\_sta:\*

12: gb\_sy:\*

13: gb\_un:\*

14: gb\_vi:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	22	100.0	22	6	AX555235 Sequence 4
2	22	100.0	197	6	IL9656
3	22	100.0	619	6	PEARUBPA
4	22	100.0	632	6	AX463287 Sequence
5	22	100.0	645	8	PEARBCOSS
6	22	100.0	669	8	PEARBPC
7	22	100.0	674	8	PEARBP2
8	22	100.0	761	8	AY231453
9	22	100.0	824	8	AY231454
10	22	100.0	835	8	AY231451
11	22	100.0	1381	8	PSRBCS3C
12	22	100.0	2061	8	PSRBCS3A
13	22	100.0	2124	6	AR014744
14	22	100.0	2124	6	AR022680
15	22	100.0	2351	8	PSRC01
16	22	100.0	3706	6	CQ867567
17	22	100.0	3778	6	CQ867566
18	22	100.0	8012	6	AR143709
19	22	100.0	8012	6	BD008400

20	22	100.0	8418	6	AR143713	AR143713 Sequence
21	22	100.0	8418	6	BD008404	BD008404 Glyphosat
22	22	100.0	8798	6	AR143712	AR143712 Sequence
23	22	100.0	8798	6	BD008403	BD008403 Glyphosat
24	22	100.0	10212	12	AB086434	AB086434 Synthetic
25	22	100.0	10846	6	AR225313	AR225313 Sequence
26	22	100.0	10846	6	AR438378	AR438378 Sequence
27	22	100.0	10846	6	AR491631	AR491631 Sequence
28	22	100.0	10847	6	BD062173	BD062173 Expressio
29	22	100.0	10856	12	AB086433	AB086433 Synthetic
30	22	100.0	10900	6	AR225314	AR225314 Sequence
31	22	100.0	10900	6	AR438379	AR438379 Sequence
32	22	100.0	10900	6	AR491632	AR491632 Sequence
33	22	100.0	10901	6	BD062174	BD062174 Expressio
34	22	100.0	11522	12	AF309825	AF309825 plant exp
35	22	100.0	12072	12	AF294981	AF294981 Binary ve
36	22	100.0	12614	6	AX052539	AX052539 Sequence
37	22	100.0	12942	12	AF294982	AF294982 Binary ve
38	22	100.0	1403	12	AF330636	AF330636 Plant DNA
39	22	100.0	14203	12	AF294979	AF294979 Binary ve
40	22	100.0	14230	12	AF294980	AF294980 Binary ve
41	21	95.5	753	8	FPU29936	U29936 Flaveria pr
42	21	95.5	844	8	AY231449	AY231449 Arabidops
43	21	95.5	961	8	AY231448	AY231448 Arabidops
44	20.4	92.7	390	8	TRRUBISCO	X53954 T.repens mr
45	20.4	92.7	532	8	AF044401	AF044401 Flaveria
46	20.4	92.7	534	8	AF044400	AF044400 Flaveria
47	20.4	92.7	608	8	AF044398	AF044398 Flaveria
48	20.4	92.7	629	8	AF044399	AF044399 Flaveria
49	20.4	92.7	735	8	AY267350	AY267350 Flaveria
50	20.4	92.7	743	8	FPU29933	U29933 Flaveria pr
51	20.4	92.7	763	8	FPU29934	U29934 Flaveria pr
52	20.4	92.7	3180	8	MSRBCSK1A	X96847 M.sativa Rb
53	20.4	92.7	3974	8	TRRBCPX	X52293 White clove
54	19.4	88.2	674	8	HARUBISC	X05079 Sunflower m
55	19.4	88.2	1400	8	HARBCS	Y00431 Sunflower r
56	19.4	88.2	2662	8	AY163904	AY163904 Chrysanth
57	19	86.4	854	8	AY231452	AY231452 Arabidops
58	18.8	85.5	212	8	PETRBBCB	M29642 Petunia rib
59	18.8	85.5	251	8	PETRBCC	M29643 Petunia rib
60	18.8	85.5	411	8	AF396697	AF396697 Nicotiana
61	18.8	85.5	490	11	G73713	G73713 RG131R etio
62	18.8	85.5	546	8	POTRBBCS	J03613 Potato (S.t
63	18.8	85.5	574	8	AF044396	AF044396 Flaveria
64	18.8	85.5	591	8	PVRBCS	X59999 P.vulgaris
65	18.8	85.5	723	8	SLARBCS	L26805 Stellaria l
66	18.8	85.5	724	8	FPU29938	U29938 Flaveria pr
67	18.8	85.5	752	8	FTRBBCR	X05037 Flaveria tr
68	18.8	85.5	778	8	TOMRBCSD	M15235 Tomato RuBP
69	18.8	85.5	787	8	AY267351	AY267351 Flaveria
70	18.8	85.5	849	8	PVRBCOS	X60000 P.vulgaris
71	18.8	85.5	852	8	AY231456	AY231456 Arabidops
72	18.8	85.5	1032	8	TOMRBCSA	M13542 Tomato (L.e
73	18.8	85.5	1071	8	PVSS15BCO	X57022 P. vulgaris
74	18.8	85.5	1084	8	GTU39858	X39858 Glycine tab
75	18.8	85.5	1314	8	PERBCS11	X03821 Petunia x h
76	18.8	85.5	1337	8	TOBRUBPB	M32420 Tobacco rib
77	18.8	85.5	1386	8	STRBCS2C	X69762 S.tuberosum
78	18.8	85.5	1454	8	LERBCS1	X05982 Tomato rbcS
79	18.8	85.5	1594	8	GHRBCS	X54091 G.hirsutum
80	18.8	85.5	1598	8	STRBCS3	X69763 S.tuberosum
81	18.8	85.5	1629	8	STRBCS2	X69760 S.tuberosum
82	18.8	85.5	1703	8	STRBCS2B	X03820 Petunia x h
83	18.8	85.5	2242	8	PERBCS08	AX311198 Sequence
84	17.8	80.9	204	6	AX311198	AX311198 Sequence
85	17.8	80.9	318	8	PETRBCCA	M29641 Petunia rib
86	17.8	80.9	713	8	AF024572	AF024572 Fritillar
87	17.8	80.9	728	8	AF031544	AF031544 Fritillar
88	17.8	80.9	732	8	AF031543	AF031543 Fritillar
89	17.8	80.9	758	8	LAURBCS	DI4001 Lettuce mRN
90	17.8	80.9	784	8	AF024573	AF024573 Fritillar
91	17.8	80.9	798	8	AF024574	AF024574 Fritillar
92	17.8	80.9	801	8	AF065615	AF065615 Capsicum

81	55	8.6	267	11	US-09-987-899-370	Sequence 370, App	154	51.6	8.1	5452	15	US-10-311-455-1122	Sequence 1122, Ap
82	55	8.6	267	11	US-09-987-899-637	Sequence 637, App	155	51.6	8.1	6103	15	US-10-311-455-1663	Sequence 1663, Ap
83	55	8.6	316	11	US-09-987-899-839	Sequence 839, App	156	51.6	8.1	8404	15	US-10-311-455-1568	Sequence 1568, Ap
84	55	8.6	356	11	US-09-987-899-815	Sequence 815, App	157	51.6	8.1	8404	18	US-10-221-714A-222	Sequence 222, App
85	55	8.6	420	18	US-10-424-599-29291	Sequence 29291, A	158	51.6	8.1	14919	18	US-10-221-714A-227	Sequence 227, App
86	55	8.6	820	20	US-10-425-115-10640	Sequence 10640, A	159	51.4	8.1	1619	20	US-10-723-660-6269	Sequence 6269, Ap
87	55	8.6	912	18	US-10-424-599-41058	Sequence 41058, A	160	51.4	8.1	3664	20	US-10-473-126-122	Sequence 122, App
88	55	8.6	1013	18	US-10-424-599-41033	Sequence 41033, A	161	51.4	8.1	3664	20	US-10-473-126-268	Sequence 268, App
89	55	8.6	1237	20	US-10-739-930-3875	Sequence 3875, Ap	162	51.4	8.1	3664	21	US-10-486-319A-47	Sequence 47, Appl
90	55	8.6	1323	18	US-10-424-599-41037	Sequence 41037, A	163	51.4	8.1	3664	21	US-10-486-319A-69	Sequence 69, Appl
91	55	8.6	6283	15	US-10-311-455-61	Sequence 61, Appl	164	51.4	8.1	6577	18	US-10-221-714A-443	Sequence 443, App
92	54.8	8.6	400	18	US-10-424-599-100577	Sequence 100577, A	165	51.4	8.1	6577	18	US-10-221-714A-332	Sequence 332, App
93	54.8	8.6	12007	15	US-10-311-455-690	Sequence 690, App	166	51.4	8.1	18585	17	US-10-240-485-162	Sequence 162, App
94	54.6	8.6	6255	15	US-10-311-455-933	Sequence 933, App	167	51.2	8.0	426	19	US-10-021-323-15875	Sequence 15875, A
95	54.6	8.6	14798	15	US-10-311-455-1005	Sequence 1005, Ap	168	51.2	8.0	5544	15	US-10-240-485-173	Sequence 173, App
96	54.6	8.6	113515	15	US-10-311-455-2147	Sequence 2147, Ap	169	51.2	8.0	5544	17	US-10-221-613-403	Sequence 403, App
97	54.2	8.5	724	18	US-10-425-114-8224	Sequence 8224, Ap	170	51.2	8.0	7442	18	US-10-221-714A-409	Sequence 409, App
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102	54.2	8.5	757	18	US-10-425-114-7407	Sequence 7407, Ap	175	51	8.0	5822	15	US-10-311-455-1069	Sequence 1069, Ap
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104	54.2	8.5	7455	15	US-10-311-455-1731	Sequence 1731, Ap	177	51	8.0	6071	17	US-10-221-613-32	Sequence 32, Appl
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106	54	8.5	767	18	US-10-424-599-70401	Sequence 70401, A	179	51	8.0	8451	17	US-10-257-166-63	Sequence 13, Appl
107	54	8.5	15861	15	US-10-311-455-497	Sequence 497, App	180	51	8.0	8451	18	US-10-240-454-13	Sequence 548, App
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110	53.6	8.4	8222	21	US-10-486-319A-43	Sequence 43, Appl	183	51	8.0	18011	15	US-10-311-455-8	Sequence 840, App
111	53.4	8.4	250	11	US-09-987-899-426	Sequence 426, App	184	50.8	8.0	6219	15	US-10-311-455-840	Sequence 20, Appl
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113	53.4	8.4	6121	15	US-10-311-455-1947	Sequence 1947, Ap	186	50.8	8.0	6419	15	US-10-311-455-240	Sequence 659, App
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116	53.2	8.4	6294	15	US-10-311-455-1027	Sequence 1027, Ap	189	50.8	8.0	15674	15	US-10-240-485-30	Sequence 30, Appl
117	52.8	8.3	7334	19	US-10-433-793-147	Sequence 147, App	190	50.6	7.9	137	9	US-09-770-696-574	Sequence 574, App
118	52.8	8.3	7334	15	US-10-311-455-318	Sequence 318, App	191	50.6	7.9	453	9	US-09-770-444-611	Sequence 611, App
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120	52.8	8.3	73334	18	US-10-240-589C-127	Sequence 127, App	193	50.6	7.9	503	10	US-09-770-961-372	Sequence 372, App
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122	52.4	8.2	921	20	US-10-425-115-38710	Sequence 38710, A	195	50.6	7.9	632	9	US-09-770-149-677	Sequence 677, App
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127	52.4	8.2	1727	15	US-10-311-455-1406	Sequence 1406, Ap	200	50.6	7.9	762	21	US-10-487-901-1712	Sequence 1712, Ap
128	52.4	8.2	17527	18	US-10-240-454-28	Sequence 28, Appl	201	50.6	7.9	767	9	US-09-770-445-931	Sequence 931, App
129	52.4	8.2	18624	15	US-10-311-455-1676	Sequence 1676, Ap	202	50.6	7.9	771	9	US-09-770-445-918	Sequence 918, App
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132	52.2	8.2	87	17	US-10-205-562-8	Sequence 8, Appli	205	50.6	7.9	1205	9	US-09-770-445-41	Sequence 41, Appl
133	52.2	8.2	5649	15	US-10-311-455-822	Sequence 822, App	206	50.6	7.9	2581	20	US-10-739-930-1173	Sequence 1173, Ap
134	52.2	8.2	5649	17	US-10-257-166-90	Sequence 90, Appl	207	50.6	7.9	7536	15	US-10-311-455-1437	Sequence 1437, Ap
135	52.2	8.2	5649	18	US-10-221-714A-106	Sequence 106, App	208	50.6	7.9	9539	14	US-10-239-676-52	Sequence 52, Appl
136	52.2	8.2	13584	15	US-10-311-455-588	Sequence 588, App	209	50.6	7.9	9539	15	US-10-240-453-54	Sequence 54, Appl
137	52.2	8.2	15743	15	US-10-240-453-270	Sequence 270, App	210	50.6	7.9	9830	17	US-10-221-613-111	Sequence 111, App
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140	52.2	8.2	37515	19	US-10-433-793-28	Sequence 28, Appl	213	50.4	7.9	6227	15	US-10-311-455-1560	Sequence 1560, Ap
141	52	8.2	138	17	US-10-205-562-7	Sequence 7, Appli	214	50.4	7.9	7384	15	US-10-240-589C-70	Sequence 70, Appl
142	52	8.2	138	17	US-10-205-562-10	Sequence 10, Appl	215	50.4	7.9	7384	15	US-10-311-455-719	Sequence 719, App
143	52	8.2	9084	15	US-10-311-455-1578	Sequence 1578, Ap	216	50.4	7.9	13792	15	US-10-311-455-1543	Sequence 1543, Ap
144	52	8.2	13449	15	US-10-311-455-1357	Sequence 1357, Ap	217	50.2	7.9	293	11	US-10-424-599-110951	Sequence 110951, A
145	52	8.2	14551	15	US-10-240-485-138	Sequence 138, App	218	50.2	7.9	293	11	US-09-987-899-749	Sequence 749, App
146	52	8.2	21537	15	US-10-311-455-1971	Sequence 1971, Ap	219	50.2	7.9	574	19	US-10-021-323-11147	Sequence 11147, A
147	51.8	8.1	392	11	US-09-987-899-798	Sequence 798, App	220	50.2	7.9	6775	19	US-10-433-793-190	Sequence 190, App
148	51.8	8.1	8056	20	US-10-473-126-386	Sequence 386, App	221	50.2	7.9	7201	15	US-10-311-455-309	Sequence 309, App
149	51.8	8.1	8622	15	US-10-311-455-2116	Sequence 2116, Ap	222	50.2	7.9	8056	20	US-10-473-126-240	Sequence 240, App
150	51.8	8.1	11394	15	US-10-240-453-96	Sequence 96, Appl	223	50.2	7.9	17594	15	US-10-311-455-1999	Sequence 1999, Ap
151	51.8	8.1	15732	14	US-10-239-676-95	Sequence 95, Appl	224	50.2	7.9	113515	15	US-10-311-455-2148	Sequence 2148, Ap
152	51.8	8.1	15732	15	US-10-240-453-107	Sequence 107, App	225	50	7.8	408	21	US-10-275-323A-13	Sequence 13, Appl
153	51.6	8.1	390	20	US-10-425-115-124757	Sequence 124757, A	226	50	7.8	4190	15	US-10-311-455-415	Sequence 415, App

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:57 ; Search time 2834.69 Seconds

(without alignments)  
1409.457 Million cell updates/sec

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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3	635.4	99.7	10846	18	US-10-705-430-5
4	635.4	99.7	10900	9	US-09-923-109-6
5	635.4	99.7	10900	15	US-10-164-204-6
6	635.4	99.7	10900	18	US-10-705-430-6
7	635.4	99.7	11606	19	US-10-602-475A-9
Sequence 5, Appli					
Sequence 5, Appli					
Sequence 6, Appli					
Sequence 6, Appli					
Sequence 9, Appli					

633	99.4	1998	22	US-10-477-240-8	Sequence 8, Appli
633	99.4	12304	21	US-10-473-945-5	Sequence 5, Appli
632	99.2	12497	21	US-10-473-945-4	Sequence 4, Appli
631.4	99.1	632	14	US-10-015-637-7	Sequence 7, Appli
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631.4	99.1	3778	19	US-10-376-763A-5	Sequence 5, Appli
387	60.8	7129	13	US-10-047-542-101	Sequence 101, Appl
296.8	46.6	11522	14	US-10-052-092-19	Sequence 19, Appl
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296.8	46.6	11522	20	US-10-896-419-19	Sequence 19, Appl
221.4	34.8	1008	17	US-10-225-068-101	Sequence 101, Appl
221.4	34.8	1008	17	US-10-374-780A-93	Sequence 93, Appl
221.4	34.8	1008	18	US-10-412-699B-309	Sequence 309, Appl
221.4	34.8	1008	21	US-10-225-068-101	Sequence 101, Appl
197.6	31.0	2746	21	US-10-871-304-43	Sequence 43, Appl
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63.4	10.0	714	21	US-10-487-901-1703	Sequence 1703, Ap
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61.4	9.6	5487	15	US-10-311-455-1571	Sequence 1571, Ap
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58	9.1	824	18	US-10-412-699B-1966	Sequence 1966, Ap
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57.6	9.0	17848	17	US-10-257-166-58	Sequence 58, Appl
57.2	9.0	5424	15	US-10-311-455-897	Sequence 827, App
56.6	8.9	259	11	US-09-987-899-442	Sequence 442, App
56.6	8.9	266	11	US-09-987-899-336	Sequence 336, App
56.6	8.9	3673778	16	US-10-312-841-1	Sequence 1, Appli
56.4	8.9	352	18	US-10-424-599-102298	Sequence 102298,
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56.4	8.9	3673778	16	US-10-312-841-2	Sequence 2, Appli
55.8	8.8	5145	15	US-10-311-455-321	Sequence 321, App
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55	8.6	240	11	US-09-987-899-608	Sequence 608, App
55	8.6	241	11	US-09-987-899-542	Sequence 542, App
55	8.6	247	11	US-09-987-899-428	Sequence 428, App
55	8.6	247	11	US-09-987-899-449	Sequence 449, App
55	8.6	249	11	US-09-987-899-393	Sequence 393, App
55	8.6	251	11	US-09-987-899-418	Sequence 418, App
55	8.6	253	11	US-09-987-899-416	Sequence 416, App
55	8.6	261	11	US-09-987-899-656	Sequence 656, App
55	8.6	266	11	US-09-987-899-514	Sequence 514, App



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Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a  
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and is derived by analysis of the total score distribution.

#### SUMMARIES

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Sequence 1, Appl  
Sequence 17291, A  
Sequence 13113, A  
Sequence 1, Appl  
Sequence 6369, Ap  
Sequence 16110, A

98	84.4	13.2	615	5	BQ155895	BQ155895 NF085E031	171	80.8	12.7	570	2	BF003302	BF003302 EST31800
99	84.4	13.2	625	2	BF636780	BF636780 NF002F12L	172	80.8	12.7	585	2	BF519770	BF519770 EST457234
100	84.4	13.2	625	2	AW9814637	AW9814637 EST392637	173	80.8	12.7	585	2	BF005272	BF005272 EST433770
101	84.4	13.2	625	5	BQ138382	BQ138382 NF002F04P	174	80.8	12.7	585	2	BF006532	BF006532 EST435030
102	84.4	13.2	626	2	BF006370	BF006370 EST434868	175	80.8	12.7	608	2	BF006582	BF006582 EST435080
103	84.4	13.2	633	2	BF520299	BF520299 EST457769	176	80.8	12.7	625	2	BF638468	BF638468 NF085B08P
104	84.4	13.2	633	2	BF521361	BF521361 EST458837	177	80.8	12.7	633	6	CF068814	CF068814 EST069535
105	84.4	13.2	636	2	BF639172	BF639172 NF094F10P	178	80.8	12.7	563	4	BQ458014	BQ458014 NF050F03P
106	84.4	13.2	638	4	BQ457391	BQ457391 NF103G07P	179	79.6	12.5	686	4	BQ455454	BQ455454 NF059C12P
107	84.4	13.2	639	2	BF519774	BF519774 EST457238	180	79.4	12.5	686	2	BF634857	BF634857 NF075C11D
108	84.4	13.2	639	2	AW775316	AW775316 EST334381	181	79.4	12.5	1101	9	CNS003DQ	AL064580 Drosophil
109	84.4	13.2	639	2	BF006140	BF006140 EST434710	C 182	79.2	12.4	477	1	AV415684	AV415684 AV415684
110	84.4	13.2	639	2	BF006265	BF006265 EST434763	C 183	79.2	12.4	419	1	AV414089	AV414089 AV414089
111	84.4	13.2	640	2	BF005543	BF005543 EST434041	C 184	79	12.4	291	1	AV413918	AV413918 AV413918
112	84.4	13.2	640	4	BI264703	BI264703 NF12A11P	C 185	79	12.4	330	1	AV413133	AV413133 AV413133
113	84.4	13.2	643	2	BF638066	BF638066 NF028A12P	186	79	12.4	621	2	BF005845	BF005845 EST434334
114	84.4	13.2	656	4	BI263864	BI263864 NF070G12P	187	78.6	12.3	587	2	BF642795	BF642795 NF072G08I
115	84.4	13.2	657	4	BQ450660	BQ450660 NF036C06D	188	78.4	12.3	573	2	BF005300	BF005300 EST433798
116	84.4	13.2	659	4	BQ457148	BQ457148 NF100C12P	189	78	12.2	660	4	BQ458084	BQ458084 NF051H08P
117	84.4	13.2	660	4	BQ451310	BQ451310 NF107A04D	190	77.8	12.2	628	2	AW776925	AW776925 EST335990
118	84.4	13.2	660	4	BQ457894	BQ457894 NF033B05P	191	77.8	12.2	609	2	AW981192	AW981192 EST392386
119	84.4	13.2	662	2	BF005270	BF005270 EST433768	192	77.6	12.2	609	2	AW981449	AW981449 EST392611
120	84.4	13.2	668	2	AW776001	AW776001 EST335066	193	77.4	12.2	211	2	BE248686	BE248686 NF010B01D
121	84.4	13.2	670	4	BQ457807	BQ457807 NF037G04P	194	77.4	12.2	587	2	BF004935	BF004935 EST434396
122	84.4	13.2	671	4	BI263391	BI263391 NF090A10P	195	77.4	12.2	604	6	CF068572	CF068572 EST669293
123	84.4	13.2	672	2	BF637726	BF637726 NF041A11P	196	77.4	12.2	644	2	AW981232	AW981232 EST392332
124	84.4	13.2	672	6	CA922153	CA922153 EST639871	197	77.4	12.2	646	4	BQ452893	BQ452893 NF086A07L
125	84.4	13.2	675	2	BF519292	BF519292 EST456754	198	77.4	12.2	650	2	AW683665	AW683665 NF017C11L
126	84.4	13.2	677	2	BF520269	BF520269 EST457739	199	77.4	12.2	650	4	BQ449587	BQ449587 NF054E06I
127	84.4	13.2	677	4	BQ456238	BQ456238 NF075D09P	200	77.4	12.2	658	2	BF006091	BF006091 EST434661
128	84.4	13.2	678	2	BF005555	BF005555 EST434053	201	77.4	12.2	666	2	BF519077	BF519077 EST456537
129	84.4	13.2	678	2	AW775921	AW775921 EST334986	C 203	77.4	12.2	666	4	BQ455701	BQ455701 NF065B11P
130	84.4	13.2	683	2	AW776582	AW776582 EST335647	204	77.4	12.2	673	6	CA913935	CA913935 EST637093
131	84.4	13.2	687	2	BF005233	BF005233 EST433731	205	77.2	12.1	676	4	BI263279	BI263279 NF087D09P
132	84.4	13.2	690	2	BF519755	BF519755 EST457219	206	76.8	12.1	660	4	BI264027	BI264027 NF092F07P
133	84.4	13.2	691	2	BF005227	BF005227 EST433725	207	76.4	12.0	521	2	BE324686	BE324686 NF024D03P
134	84.4	13.2	696	2	BF519720	BF519720 EST457184	208	76.4	12.0	675	4	BQ456993	BQ456993 NF099B08P
135	84.4	13.2	696	2	BF520806	BF520806 EST458279	209	76.4	12.0	776	6	CF067954	CF067954 EST668675
136	84.4	13.2	699	2	BF005958	BF005958 EST434456	210	76.4	12.0	799	5	BQ149031	BQ149031 NF086H04F
137	84.4	13.2	703	2	BF006094	BF006094 EST434664	211	76.4	12.0	832	5	BQ152326	BQ152326 NF016G02I
138	84.4	13.2	703	5	BQ165471	BQ165471 EST611340	212	76.2	12.0	628	2	BF006242	BF006242 EST434740
139	84.4	13.2	704	2	BF005542	BF005542 EST434040	213	76	11.9	587	4	BQ456305	BQ456305 NF077D05P
140	84.4	13.2	711	2	BF005347	BF005347 EST433745	214	75.8	11.9	587	2	BF005695	BF005695 EST434193
141	84.4	13.2	711	2	BF005472	BF005472 EST611341	215	75.8	11.9	588	2	BF005582	BF005582 EST434080
142	84.4	13.2	737	5	BQ165472	BQ165472 EST611341	216	75.8	11.9	588	2	BF006540	BF006540 EST435038
143	84.4	13.2	741	2	AW776021	AW776021 EST335086	217	75.8	11.9	618	2	BE319121	BE319121 NF044E01L
144	84.4	13.2	753	5	BQ158155	BQ158155 NF029B01P	218	75.8	11.9	623	4	BQ449895	BQ449895 NF071A04I
145	84.4	13.2	818	5	BQ148749	BQ148749 NF082B12F	219	75.8	11.9	688	4	BQ449570	BQ449570 NF074A08I
146	84.4	13.2	872	5	BQ150602	BQ150602 NF037G07L	220	75.8	11.9	696	2	AW775873	AW775873 EST334938
147	84.2	13.2	214	6	CD860798	CD860798 TNE.003B0	221	75.4	11.8	295	2	BE316154	BE316154 NF039F04L
148	84.2	13.2	614	4	BQ454552	BQ454552 NF112G12L	222	75.2	11.8	629	2	BE318909	BE318909 NF004F05L
149	83.6	13.1	672	4	BQ455264	BQ455264 NF037G07P	223	75.2	11.7	653	4	BI267610	BI267610 NF110C11I
150	83.4	13.1	94	6	CD860898	CD860898 TNE.003G1	224	74.8	11.7	650	4	BQ453149	BQ453149 NF091G12L
151	83.4	13.1	525	2	BF519923	BF519923 EST457389	225	74.2	11.6	564	2	BF519556	BF519556 EST457020
152	83.4	13.1	589	2	BF005038	BF005038 EST433536	226	74.2	11.6	566	2	AW776057	AW776057 EST335122
153	83.4	13.1	657	4	BI265737	BI265737 NF093B12I	227	74.2	11.6	566	2	BF006323	BF006323 EST434821
154	83.4	13.1	689	2	BF638217	BF638217 NF045C08P	228	74.2	11.6	568	2	BF004889	BF004889 EST433450
155	83	13.0	242	4	BI268785	BI268785 NF015A06G	229	74.2	11.6	577	2	BF005795	BF005795 EST434293
156	83	13.0	603	4	BI263161	BI263161 NF085F04P	230	74.2	11.6	585	2	BF519759	BF519759 EST457233
157	83	13.0	668	2	AW981175	AW981175 EST392369	231	74.2	11.6	588	2	BF520315	BF520315 EST457785
158	82.8	13.0	342	2	BE249672	BE249672 NF020B05L	232	74.2	11.6	588	2	BF520960	BF520960 EST458433
159	82.8	13.0	652	4	BF006090	BF006090 EST434660	233	74.2	11.6	622	2	BE318931	BE318931 NF004H12L
160	82.8	13.0	694	4	BQ452551	BQ452551 NF107B07L	234	74.2	11.6	628	2	BF519048	BF519048 EST456508
161	82.8	13.0	709	2	BF520349	BF520349 EST457819	235	74.2	11.6	628	2	BF520760	BF520760 EST458233
162	82.6	13.0	532	4	BI271922	BI271922 NF016C07P	236	74.2	11.6	630	4	BI267952	BI267952 NF115D12I
163	82.4	12.9	701	2	BF635117	BF635117 NF081A11D	237	74.2	11.6	631	2	BF006470	BF006470 EST434968
164	82	12.9	381	2	BE123979	BE123979 EST394104	238	74.2	11.6	639	2	BF642602	BF642602 NF072C08I
165	82	12.9	626	4	BQ449163	BQ449163 NF033H05I	239	74.2	11.6	647	2	AW683689	AW683689 NF017F09L
166	81.8	12.8	678	4	BI263960	BI263960 NF107H07P	240	74.2	11.6	652	4	BI267151	BI267151 NF101D12I
167	81.4	12.8	662	2	BF632046	BF632046 NF025E02D	241	74.2	11.6	653	4	BQ457004	BQ457004 NF069A13P
168	81.4	12.8	662	4	BQ457975	BQ457975 NF037C07P	242	74.2	11.6	657	2	BF638411	BF638411 NF057H03P
169	81	12.7	267	2	BE249727	BE249727 NF021B03L	243	74.2	11.6	662	2	BF639086	BF639086 NF079B12P
170	80.8	12.7	560	2	BF006262	BF006262 EST434760	244	74.2	11.6				

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 5965.04 Seconds  
(without alignments)  
4064.839 Million cell updates/sec

Title: US-09-912-968a-2  
Perfect score: 637  
Sequence: 1 attcagcttcgttcgtatc.....cttgcaattgattgacaac 637

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

EST:\*  
1: gb\_est1:\*  
2: gb\_est2:\*  
3: gb\_hic:\*  
4: gb\_est3:\*  
5: gb\_est4:\*  
6: gb\_est5:\*  
7: gb\_est6:\*  
8: gb\_gsl1:\*  
9: gb\_gsl2:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	170.8	26.8	284	6	CD860971 TNE.003K1
2	169.2	26.6	437	6	CD861014 TNE.003M2
3	163.8	25.7	255	6	CD860695 TE.005K04
4	121.4	19.1	177	6	CD860827 TNE.003C2
5	121	19.0	712	6	CF068126 EST668847
6	118	18.5	335	6	CD861030 TNE.003N1
7	116.2	18.2	363	2	BF638284 NF054A01P
8	115.8	18.2	727	6	CF068644 EST669365
9	115	18.1	191	6	CD861044 TNE.003O1
10	114	17.9	792	5	BQ150308 NF018F03L
11	114	17.9	809	5	BQ150873 NF064G08L
12	113.8	17.9	476	4	BG451570 NF110E09D
13	113.4	17.8	155	6	CD860783 TNE.003A0
14	113.4	17.8	176	6	CD860921 TNE.003H2
15	113.4	17.8	176	6	CD860933 TNE.003I1
16	113.2	17.8	513	2	BF637260 NF073D06L
17	112.6	17.7	499	6	CD860270 PW.010C05
18	112.2	17.6	710	2	BF521219 EST458767
19	112.2	17.6	710	2	AW776329 EST335394
20	112.2	17.6	710	2	BF005915 EST434413
21	112	17.6	810	5	BQ145176 NF011C11G
22	111	17.4	480	2	BF637518 NF029F05P
23	110.8	17.4	795	5	BQ145040 NF012B07D
24	109.4	17.2	700	2	BF521408 EST458884

94	55.4	8.7	834	11	ADM44819	Insect re	167	52	8.2	14551	7	ADS99846	Adm44819	Complemen
95	55.4	8.7	6131	6	ABL32891	Human imm	168	52	8.2	21537	6	ABL33998	Abi33998	Human imm
96	55.2	8.7	267	12	ADP57264	Soybean c	169	51.8	8.1	392	12	ADP57729	Adp57729	Soybean c
97	55.2	8.7	5182	6	ABL32957	Human imm	170	51.8	8.1	8056	6	ABL32957	Abi32957	Human imm
98	55.2	8.7	6220	6	ABL33300	Human imm	171	51.8	8.1	8622	6	ABL34143	Abi34143	Human imm
99	55.2	8.7	19659	6	ABL32766	Human imm	172	51.8	8.1	8900	13	ADS99866	Adp99866	Oligonuc
100	55	8.6	162	12	ADP57644	Soybean c	173	51.8	8.1	9742	6	ABL70480	Abi70480	Chemical
101	55	8.6	230	12	ADP57480	Soybean c	174	51.8	8.1	11394	6	ABL28222	Abk28222	DNA trans
102	55	8.6	240	12	ADP57539	Soybean c	175	51.8	8.1	12639	6	ABL28222	Abk28222	DNA trans
103	55	8.6	241	12	ADP57473	Soybean c	176	51.8	8.1	12639	6	ABL28222	Abk28222	DNA trans
104	55	8.6	247	12	ADP57380	Soybean c	177	51.8	8.1	15732	6	ABL28233	Abk28233	DNA trans
105	55	8.6	247	12	ADP57359	Soybean c	178	51.8	8.1	15732	6	ABL28233	Abk28233	DNA trans
106	55	8.6	249	12	ADP57324	Soybean c	179	51.6	8.1	6103	6	ABL33690	Abi33690	Human imm
107	55	8.6	251	12	ADP57349	Soybean c	180	51.6	8.1	8404	4	AA546500	Adp546500	Tumour su
108	55	8.6	253	12	ADP57347	Soybean c	181	51.6	8.1	8404	4	ABL33595	Abi33595	Human imm
109	55	8.6	261	12	ADP57587	Soybean c	182	51.6	8.1	14919	4	AA546505	Adp546505	Tumour su
110	55	8.6	266	12	ADP57445	Soybean c	183	51.4	8.1	1619	12	ADQ23449	Adq23449	Human sof
111	55	8.6	267	12	ADP57301	Soybean c	184	51.4	8.1	3664	8	ACF62820	Acf62820	Colon can
112	55	8.6	316	12	ADP57568	Soybean c	185	51.4	8.1	3664	8	ACF62798	Acf62798	Colon can
113	55	8.6	316	12	ADP57770	Soybean c	186	51.4	8.1	3664	8	ABL210128	Abi210128	Haematopo
114	55	8.6	356	12	ADP57746	Soybean c	187	51.4	8.1	3664	8	ABL209982	Abi209982	Haematopo
115	55	8.6	6283	6	ABL32088	Human imm	188	51.4	8.1	6577	4	AA546718	Adp546718	Tumour su
116	54.8	8.6	12007	6	ABL32717	Human imm	189	51.4	8.1	6664	6	AA561369	Adp561369	Human gen
117	54.6	8.6	6255	6	ABL32860	Human imm	190	51.4	8.1	6664	10	ADBS4322	Adbs4322	Pretrate
118	54.6	8.6	14798	6	ABL33032	Human imm	191	51.4	8.1	6664	10	ADBS4322	Adbs4322	Pretrate
119	54.6	8.6	113515	6	ABL34174	Human imm	192	51.4	8.1	18585	7	ADS99870	Adp99870	Complemen
120	54.4	8.5	10467	6	ABL49302	Human pol	193	51.4	8.1	18585	7	ADS99870	Adp99870	Complemen
121	54.2	8.5	7455	6	ABL33758	Human imm	194	51.2	8.0	426	13	ACN61094	Acn61094	Cotton gy
122	54.2	8.5	9707	6	ABL33421	Human imm	195	51.2	8.0	5126	6	ABL70493	Abi70493	Chemical
123	54	8.5	15861	6	ABL32824	Human imm	196	51.2	8.0	5544	6	ABL34620	Abi34620	Human met
124	53.8	8.4	8222	10	ADBS4318	Pretrate	197	51.2	8.0	5544	6	ABL70477	Abi70477	Chemical
125	53.8	8.4	1222	10	ADBS4318	Pretrate	198	51.2	8.0	5544	6	ABL70477	Abi70477	Chemical
126	53.6	8.4	8222	10	ADBS4318	Pretrate	199	51.2	8.0	5544	7	ADS99881	Adp99881	Bisulphit
127	53.6	8.4	8222	10	ADBS4318	Pretrate	200	51.2	8.0	7442	4	AA546686	Adp546686	Tumour su
128	53.4	8.4	11222	10	ADBS4190	Pretrate	201	51.2	8.0	13038	6	ABL33274	Abi33274	Human imm
129	53.4	8.4	250	12	ADP57357	Soybean c	202	51	8.0	253	12	ADP57322	Adp57322	Soybean c
130	53.4	8.4	269	12	ADP57312	Soybean c	203	51	8.0	5520	6	ABL33519	Abi33519	Human imm
131	53.4	8.4	6121	6	ABL33974	Human imm	204	51	8.0	5768	6	ABL34163	Abi34163	Human imm
132	53.2	8.4	7231	6	ABL54324	Chemical	205	51	8.0	5822	6	ABL33096	Abi33096	Human imm
133	53.2	8.4	6135	6	ABL33801	Human imm	206	51	8.0	6071	6	ABL32325	Abi32325	Human imm
134	52.8	8.3	6294	6	ABL33054	Human imm	207	51	8.0	6071	6	ABL32325	Abi32325	Human imm
135	52.8	8.3	4753	6	ABQ67117	Human ang	208	51	8.0	8451	6	ABL33981	Abi33981	Human che
136	52.8	8.3	7346	6	ABL32345	Human imm	209	51	8.0	8451	6	ABL33981	Abi33981	Human che
137	52.8	8.3	73334	6	ABL34124	Human imm	210	51	8.0	8451	6	ABL33981	Abi33981	Human che
138	52.6	8.3	73334	6	ABL92318	Chemical	211	51	8.0	17959	6	ABL32575	Abi32575	Human imm
139	52.4	8.2	258	12	ADP57310	Soybean c	212	51	8.0	17959	6	ABL32575	Abi32575	Human imm
140	52.4	8.2	937	10	ADP57310	Soybean c	213	51	8.0	18011	6	ABL32035	Abi32035	Human imm
141	52.4	8.2	937	10	ADP57310	Soybean c	214	50.8	8.0	6219	6	ABL32867	Abi32867	Human imm
142	52.4	8.2	12177	6	ABL32651	Human imm	215	50.8	8.0	6219	6	ABL32867	Abi32867	Human imm
143	52.4	8.2	12177	6	ABL32651	Human imm	216	50.8	8.0	6419	6	ABL32267	Abi32267	Human imm
144	52.4	8.2	17137	6	ABL32190	Human imm	217	50.8	8.0	8962	6	ABL32686	Abi32686	Human imm
145	52.4	8.2	17527	6	ABL33433	Chemical	218	50.8	8.0	15674	6	ABL32363	Abi32363	Human imm
146	52.4	8.2	17527	6	ABL33433	Chemical	219	50.8	8.0	15674	6	ABL32363	Abi32363	Human imm
147	52.4	8.2	18624	6	ABL33703	Human imm	220	50.8	8.0	15674	6	ABL32363	Abi32363	Human imm
148	52.4	8.2	34688	6	ABQ67060	Human ang	221	50.8	8.0	15674	6	ABL70514	Abi70514	Chemical
149	52.4	8.2	34688	6	ABQ67060	Human ang	222	50.8	8.0	15674	6	ABL70514	Abi70514	Chemical
150	52.2	8.2	5649	4	AA546384	Tumour su	223	50.6	7.9	453	6	ABL93846	Abi93846	Arabidops
151	52.2	8.2	5649	4	AA546384	Tumour su	224	50.6	7.9	471	6	ABL93405	Abi93405	Arabidops
152	52.2	8.2	5649	6	ABL40008	Human che	225	50.6	7.9	503	10	ADE81601	Adp81601	Arabidops
153	52.2	8.2	5649	6	ABL32849	Human imm	226	50.6	7.9	546	3	AA546384	Adp546384	Arabidops
154	52.2	8.2	5649	10	ADBS4126	Pretrate	227	50.6	7.9	546	3	AA546384	Adp546384	Arabidops
155	52.2	8.2	5649	10	ADBS4126	Pretrate	228	50.6	7.9	546	3	AA546384	Adp546384	Arabidops
156	52.2	8.2	5649	10	ADBS4126	Pretrate	229	50.6	7.9	546	3	AA546384	Adp546384	Arabidops
157	52.2	8.2	5649	10	ADBS4126	Pretrate	230	50.6	7.9	546	3	AA546384	Adp546384	Arabidops
158	52.2	8.2	13584	6	ABL32815	Human imm	231	50.6	7.9	632	6	ABQ66100	Abq66100	Arabidops
159	52.2	8.2	15743	6	ABK28396	DNA trans	232	50.6	7.9	632	6	ABQ66100	Abq66100	Arabidops
160	52.2	8.2	18011	6	ABL32034	Human imm	233	50.6	7.9	632	6	ABQ66100	Abq66100	Arabidops
161	52.2	8.2	18434	6	ABL34006	Human imm	234	50.6	7.9	632	6	ABQ66100	Abq66100	Arabidops
162	52.2	8.2	18434	6	ABL34006	Human imm	235	50.6	7.9	632	6	ABQ66100	Abq66100	Arabidops
163	52	8.2	37155	13	ADBS9280	Human ang	236	50.6	7.9	724	6	ABL49453	Abi49453	Sequence
164	52	8.2	9084	6	ABL33605	Human imm	237	50.6	7.9	726	6	ABK30788	Abk30788	Plant dwa
165	52	8.2	9084	6	ABL33605	Human imm	238	50.6	7.9	726	6	ABK30788	Abk30788	Plant dwa
166	52	8.2	14449	6	ABL33384	Human imm	239	50.6	7.9	726	6	ABK30788	Abk30788	Plant dwa
			14551	6	ABL34585	Human met	240	50.6	7.9	741	11	ADM45551	Adm45551	Insect re

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Run on: July 5, 2005, 11:52:58 ; Search time 910.256 Seconds  
(without alignments)  
4142.654 Million cell updates/sec

Title: US-09-912-968A-2

Perfect score: 637

Sequence: 1 attcagcttctgctgattc.....cttgcaattgattgacaac 637

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : N\_Geneseq\_16Dec04:\*

1: Geneseqn1980s:\*

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9: Geneseqn2003bs:\*

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12: Geneseqn2004as:\*

13: Geneseqn2004bs:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	635.4	99.7	10846	6	ABSS4336 E. coli f
2	635.4	99.7	10847	2	Aax08923 Vector co
3	635.4	99.7	10900	2	Aax08924 Vector co
4	635.4	99.7	10900	6	ABSS4337 E. coli f
5	635.4	99.7	11606	12	ADQ13598
6	633	99.4	1998	8	ABV7269 Expressio
7	633	99.4	8012	2	AAX57305 Sugar bee
8	633	99.4	8418	2	AAX57309 Sugar bee
9	633	99.4	8798	2	AAX57308 Sugar bee
10	633	99.4	12304	8	ABV75876 Luciferas
11	633	99.4	12497	8	ABV75875 Luciferas
12	633	99.4	12614	4	AAC66931 Plant sig
13	633	99.2	632	6	ABN83922 E9 3'term
14	631.4	99.1	3706	13	ADR49368 H7-1 tran
15	631.4	99.1	3778	13	ADR49367 Vector pv
16	387	60.8	7129	10	ABE97423 DNA deriv
17	304.2	47.8	1147	4	AAD06461 Arabidops
18	299.2	47.0	6128	9	ACC85050 Inducible
19	296.8	46.6	11522	6	ABK89709 Oestrogen
20	282	44.3	1675	13	ADR46166 Glyphosat

21	221.4	34.8	1008	10	ADSE37162
22	221.4	34.8	1008	12	ADI41630
23	221.4	34.8	1008	12	ADO01896
24	194.6	30.5	6128	9	ACC85050
25	187.4	29.4	197	3	AAX88564
26	140	22.0	550	13	ADT03989
27	140	22.0	581	13	ADT03985
28	75	11.8	5440	3	AAA97522
29	75	11.8	6861	3	AAA97521
30	75	11.8	12921	3	AAA97523
31	71.4	11.2	2208	2	AAQ39180
32	71	11.1	320	6	ABK52604
33	64.4	10.1	718	10	ADK58382
34	64.4	10.1	736	10	ADK54321
35	64.4	10.1	736	10	ADK57660
36	63.4	10.0	714	10	ADK54320
37	63.4	10.0	725	11	ADM44821
38	63.4	10.0	736	10	ADK57661
39	61.4	9.6	5487	6	ABL33598
40	60.8	9.5	17183	6	ABL32486
41	60.4	9.5	835	12	ADO03546
42	59.4	9.3	859	11	ADM45065
43	59.4	9.3	12592	6	AA561102
44	59.2	9.3	632	10	ADC76953
45	58.8	9.2	961	12	ADO03542
46	58.4	9.2	9760	6	ABK31242
47	58.4	9.2	9760	6	ABL70197
48	58.4	9.2	9760	6	AA561155
49	58.2	9.1	614	10	ADC76956
50	58.2	9.1	841	11	ADM44879
51	58.2	9.1	847	11	ADM45447
52	58	9.1	824	12	ADO03552
53	58	9.1	7131	6	ABK31450
54	58	9.1	7131	6	ABL70427
55	58	9.1	7131	6	AA561360
56	57.8	9.1	331	11	ADM45175
57	57.8	9.1	579	11	ADM45168
58	57.8	9.1	668	10	ADK59825
59	57.8	9.1	668	11	ADM45687
60	57.8	9.1	684	10	ADC76948
61	57.8	9.1	806	11	ADM45686
62	57.8	9.1	924	10	ADC75566
63	57.8	9.1	958	10	ADC76165
64	57.6	9.0	17848	4	AA545323
65	57.6	9.0	17848	6	ABK39976
66	57.6	9.0	17848	6	ABK28164
67	57.2	9.0	5424	6	ABL32854
68	57	8.9	619	11	ADM45158
69	56.8	8.9	6067	6	ABN80089
70	56.6	8.9	259	12	ADP57373
71	56.6	8.9	266	12	ADP57267
72	56.6	8.9	608	10	ADC76944
73	56.6	8.9	609	10	ADC76965
74	56.6	8.9	615	10	ADC76949
75	56.4	8.9	741	11	ADM45450
76	56.4	8.9	15387	6	ABL32184
77	55.8	8.8	5145	6	ABL32348
78	55.8	8.8	5145	6	ABL34464
79	55.8	8.8	5145	7	ADL599725
80	55.8	8.8	10205	6	ABK31274
81	55.8	8.8	10205	6	ABL70235
82	55.6	8.7	12237	6	ABL34358
83	55.6	8.7	14924	6	ABL32224
84	55.6	8.7	14924	6	ABL54321
85	55.4	8.7	654	10	ADK57659
86	55.4	8.7	683	10	ADK54330
87	55.4	8.7	737	10	ADK57662
88	55.4	8.7	737	10	ADK58383
89	55.4	8.7	738	10	ADK54333
90	55.4	8.7	753	10	ADK58381
91	55.4	8.7	754	10	ADK57645
92	55.4	8.7	789	11	ADM44820
93	55.4	8.7	811	11	ADM45377

Adse37162	Plant yie
Adi41630	Plant tra
Ado01896	Thalecres
Acc85050	Inducible
Aax88564	PLRV CDNA
Adt03989	Alfalfa g
Adt03985	3' transg
Aaa97522	Plasmid p
Aaa97521	Plasmid p
Aaa97523	Plasmid p
Aaq39180	Truncated
Abk52604	Upland co
Adk58382	Plant DNA
Adk54321	Plant DNA
Adk57660	Plant DNA
Adk54320	Plant DNA
Adk44821	Insect re
Adk57661	Plant DNA
Abk33598	Human imm
Abk32486	Human imm
Ado03546	Thalecres
Adn45065	Insect re
Aas61102	Human gen
Adc76953	DNA homol
Ado03542	Thalecres
Abk31242	Signal tr
Abk70197	Chemical
Aas61155	Human gen
Adc76956	DNA homol
Adm44879	Insect re
Adm45447	Insect re
Ado03552	Thalecres
Abk31450	Signal tr
Abk70427	Chemical
Aas61360	Human gen
Adm45175	Insect re
Adm45168	Insect re
Adk59825	Plant DNA
Adm45687	Insect re
Adc76948	DNA homol
Adm45686	Insect re
Adc75566	DNA homol
Adc76165	DNA homol
Aas45323	Chemical
Abk39976	Human che
Abk28164	DNA trans
Abk32854	Human imm
Adm45158	Insect re
Abn80089	Human che
Adp57373	Soybean c
Adp57267	Soybean c
Adc76944	DNA homol
Adc76965	DNA homol
Adm45450	Insect re
Abk32184	Human imm
Abk32348	Human imm
Abk34464	Human met
Adl599725	Bisulphit
Abk31274	Signal tr
Abk70235	Chemical
Abk34358	Human imm
Abk32224	Human imm
Abk54321	Chemical
Adk57659	Plant DNA
Adk54330	Plant DNA
Adk57662	Plant DNA
Adk58383	Plant DNA
Adk54333	Plant DNA
Adk58381	Plant DNA
Adk57645	Plant DNA
Adm44820	Insect re
Adm45377	Insect re

Tue Jul 5 17:46:21 2005

93	60	9.4	172777	2	CR847809	CR847809	Danio rer	56.4	8.9	110000	2	PFMAL7P1_01	Continuation (2 of
94	60	9.4	211748	2	CR3922346	CR3922346	Danio rer	56.4	8.9	110000	2	PFMAL7P1_02	Continuation (2 of
95	59.8	9.4	162810	2	CR392028	CR392028	Danio rer	56.4	8.9	110000	3	AC116305_1	Continuation (3 of
96	59.6	9.4	233491	2	CR762394	CR762394	Danio rer	56.4	8.9	180861	2	CR391970	CR391970 Danio rer
97	59.6	9.4	254733	3	AC1117075	AC1117075	Dicyoste	56.4	8.9	195319	2	CR388410	CR388410 Danio rer
98	59.4	9.3	12592	6	AX2511797	AX2511797	Sequence	56.4	8.9	271546	3	AE014843	AE014843 Plasmid
99	59.4	9.3	80216	2	AC139363	AC139363	Homo sapi	56.4	8.9	349980	6	AF044563	AF044563 Flaveria
100	59.2	9.3	778	8	TOMRBCSD	M15235	Tomato RuBP	56.2	8.8	574	8	AF044566	AF044566 Flaveria
101	59.2	9.3	1071	8	PVSS15BSC0	X67962	S. vulgaris	56.2	8.8	153943	2	AC027417	AC027417 Homo sapi
102	59.2	9.3	1386	8	STRBCS2C	X67962	S. tuberosum	56.2	8.8	157544	9	AC098590	AC098590 Homo sapi
103	59.2	9.3	1454	8	LEBRC51	X05982	Tomato rbcS	56.2	8.8	205544	2	CR847834	CR847834 Danio rer
104	59.2	9.3	99003	2	AL390756	AL390756	Homo sapi	56.2	8.8	254436	3	AE014827	AE014827 Plasmid
105	59.2	9.3	254449	3	AE014817	AE014817	Plasmid	56	8.8	490	11	G73713	G73713 RGL3R etio
106	59.2	9.3	256879	3	AC116982	AC116982	Dicyoste	56	8.8	599	8	TOMRBCSE	M15236
107	58.8	9.2	251	8	PETRBCC	M29643	Petunia rib	56	8.8	742	8	TOMRBCSE	M15236
108	58.8	9.2	761	8	AJ843975	AJ843975	Plantago	56	8.8	844	8	PYPRBCO	BT013023
109	58.8	9.2	840	8	CNS0180K	AL110675	Botrytis	56	8.8	1097	8	BT013023	LYCopersi
110	58.8	9.2	844	8	AY2311449	AY2311449	Arabidops	56	8.8	2776	8	LEBRC52	X05983
111	58.8	9.2	961	8	AY2311448	AY2311448	Arabidops	56	8.8	5145	6	AX281353	Tomato rbcS
112	58.8	9.2	1594	8	GHRBCS	AY2311448	Arabidops	55.8	8.8	5145	6	AX281353	Sequence
113	58.8	9.2	249138	2	CR005005	AX54091	G. hirsutum	55.8	8.8	10205	6	AX345250	Sequence
114	58.6	9.2	181557	2	CR847945	CR847945	Danio rer	55.8	8.8	10205	6	AX345250	Sequence
115	58.4	9.2	9760	6	AX2511852	AX2511852	Sequence	55.8	8.8	10205	6	AX348667	Sequence
116	58.4	9.2	9760	6	AX344238	AX344238	Sequence	55.8	8.8	33321	3	AC116986	Sequence
117	58.4	9.2	9760	6	AX348629	AX348629	Sequence	55.6	8.7	12029	3	AE001372	Plasmid
118	58.4	9.2	61864	3	CEY5088A	AL117200	Caenorhab	55.6	8.7	12327	6	AX347260	Sequence
119	58.2	9.1	723	8	SLARB3C	L26605	Stellaria l	55.6	8.7	14924	6	AX345126	Sequence
120	58.2	9.1	1598	8	STRBCS3	X69763	S. tuberosum	55.6	8.7	14924	6	AX345126	Sequence
121	58.2	9.1	210548	2	CR7511608	CR7511608	Danio rer	55.6	8.7	110000	2	PFMAL13_08	Continuation (9 of
122	58	9.1	782	8	AF139469	AF139469	Vigna rad	55.6	8.7	16565	2	CR589947	Danio rer
123	58	9.1	824	8	AY2311454	AY2311454	Arabidops	55.6	8.7	16565	2	AC004688	Plasmid
124	58	9.1	7131	6	AX252062	AX252062	Sequence	55.6	8.7	170832	2	CR376769	Danio rer
125	58	9.1	7131	6	AX344446	AX344446	Sequence	55.6	8.7	174992	9	AC148666	Macaca mu
126	58	9.1	7131	6	AX348859	AX348859	Sequence	55.6	8.7	196149	2	AC004709	Plasmid
127	58	9.1	25757	3	AE014837	AE014837	Plasmid	55.6	8.7	253650	3	AE014847	Plasmid
128	57.8	9.1	753	8	FP029936	U29936	Flaveria pr	55.4	8.7	776	8	C1PRBC	AE014847
129	57.8	9.1	131682	9	AL672277	AL672277	Human DNA	55.4	8.7	4654	3	AX160098	Ice plant r
130	57.8	9.1	169894	2	CR762466	CR762466	Danio rer	55.4	8.7	6131	6	AX345793	Dicyoste
131	57.8	9.1	252650	3	AE014847	AE014847	Plasmid	55.4	8.7	150197	2	CR394568	Danio rer
132	57.6	9.0	17848	6	AX277865	AX277865	Sequence	55.4	8.7	163559	5	AL772329	Zebraphish
133	57.6	9.0	17848	6	AX277865	AX277865	Sequence	55.4	8.7	250022	3	AE014824	Plasmid
134	57.6	9.0	17848	6	AX277865	AX277865	Sequence	55.4	8.7	1054	8	LEBRC53B	Tomato rbcS
135	57.6	9.0	156035	5	BM005364	BM005364	Zebraphish	55.2	8.7	4124	8	TOMRBCO	D11112
136	57.4	9.0	18166	2	PFMALBPE	AL929364	Plasmid	55.2	8.7	5182	6	AX345859	Tomato rib
137	57.4	9.0	156851	2	CR751546	CR751546	Danio rer	55.2	8.7	6220	6	AX346202	Sequence
138	57.4	9.0	191771	2	CR318606	CR318606	Danio rer	55.2	8.7	19659	6	AX345668	Sequence
139	57.4	9.0	227073	2	CR846086	CR846086	Danio rer	55.2	8.7	155062	2	BM005172	Homo sapi
140	57.4	9.0	250663	3	AE014826	AE014826	Plasmid	55.2	8.7	163930	2	CR847885	Danio rer
141	57.2	9.0	2242	8	PERBC508	X03820	Petunia x h	55.2	8.7	175575	5	AL954307	Zebraphish
142	57.2	9.0	5424	6	AX345756	AX345756	Sequence	55.2	8.7	199421	9	AL691515	Human DNA
143	57.2	9.0	217063	2	CR749178	CR749178	Danio rer	55	8.6	587	3	CR382399	CR382399 Plasmid
144	57	8.9	178427	2	CR392006	CR392006	Danio rer	55	8.6	589	3	AY618916	Apis mell
145	56.8	8.9	546	8	POTRBCS	J03613	Potato (S.t	55	8.6	765	8	GMU39567	U9567 Glycine max
146	56.8	8.9	724	8	FP029938	U29938	Flaveria pr	55	8.6	772	8	AF303941	AF303941 Glycine m
147	56.8	8.9	1078	3	AB095968	AB095968	Leishmani	55	8.6	830	8	AF303940	AF303940 Sequence
148	56.8	8.9	1703	8	STRBCS2B	X69761	S. tuberosum	55	8.6	6283	6	AX344990	AX344990 Sequence
149	56.8	8.9	6067	6	AX344681	AX344681	Sequence	55	8.6	148394	2	CR753884	Danio rer
150	56.8	8.9	147984	2	AC141987	AC141987	Rattus no	55	8.6	177867	2	BM936329	BM936329 Danio rer
151	56.8	8.9	148878	2	CR759816	CR759816	Danio rer	55	8.6	197054	2	CR450840	Danio rer
152	56.8	8.9	186979	2	AC005505	AC005505	Plasmid	55	8.6	198047	2	CR376763	Danio rer
153	56.8	8.9	192929	2	AC005505	AC005505	Plasmid	55	8.6	205429	2	AC005506	Plasmid
154	56.8	8.9	223904	2	CR759864	CR759864	Danio rer	55	8.6	236120	14	AF063866	AF063866 Melanoplu
155	56.8	8.9	250078	3	AE014829	AE014829	Plasmid	55	8.6	250621	2	CR792433	CR792433 Danio rer
156	56.8	8.9	250713	3	AE014850	AE014850	Plasmid	55	8.6	347582	3	PFMAL4P1	AL034557
157	56.8	8.9	256172	2	AC005339	AC005339	Plasmid	55	8.6	349980	6	AX344566	Plasmid
158	56.8	8.9	589	3	AY618917	AY618917	Apis mell	55	8.6	853	8	MSCARB	AX344566 Sequence
159	56.6	8.9	763	8	FP029934	U29934	Flaveria pr	54.8	8.6	6323	3	AF482394	AF482394 Dicyoste
160	56.6	8.9	160357	2	BM927322	BM927322	Danio rer	54.8	8.6	12007	6	AX345619	AX345619 Sequence
161	56.6	8.9	174012	2	CR847512	CR847512	Danio rer	54.6	8.6	532	8	AF044401	AF044401 Flaveria
162	56.6	8.9	207288	2	CR405694	CR405694	Danio rer	54.6	8.6	534	8	AF044400	AF044400 Flaveria
163	56.6	8.9	337203	3	CR382401	CR382401	Plasmid	54.6	8.6	608	8	AF044398	AF044398 Flaveria
164	56.6	8.9	349980	6	AX344560	AX344560	Sequence	54.6	8.6	629	8	AF044397	AF044397 Flaveria
165	56.4	8.9	15387	6	AX345086	AX345086	Sequence	54.6	8.6	677	8	AF044397	AF044397 Flaveria

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 7657.44 Seconds  
(without alignments)  
4030.848 Million cell updates/sec

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Perfect score: 637  
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Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

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2: gb\_hgt.\*  
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5: gb\_ov.\*  
6: gb\_pat.\*  
7: gb\_ph.\*  
8: gb\_pl.\*  
9: gb\_pr.\*  
10: gb\_ro.\*  
11: gb\_sts.\*  
12: gb\_sy.\*  
13: gb\_un.\*  
14: gb\_vi.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	635.4	99.7	10846	6	AR225313 Sequence
2	635.4	99.7	10846	6	AR438378 Sequence
3	635.4	99.7	10846	6	AR491631 Sequence
4	635.4	99.7	10847	6	BD062173 Expressio
5	635.4	99.7	10900	6	AR225314 Sequence
6	635.4	99.7	10900	6	AR438379 Sequence
7	635.4	99.7	10900	6	AR491632 Sequence
8	635.4	99.7	10901	6	BD062174 Expressio
9	633	99.4	2351	8	PSRC01
10	633	99.4	8012	6	AR143709 Sequence
11	633	99.4	8012	6	BD008400 Glyphosat
12	633	99.4	8418	6	AR143713 Sequence
13	633	99.4	8418	6	BD008404 Glyphosat
14	633	99.4	8798	6	AR143712 Sequence
15	633	99.4	8798	6	BD008403 Glyphosat
16	633	99.4	12614	6	AX052539 Sequence
17	632	99.2	632	6	AX463287 Sequence
18	631.4	99.1	3706	6	CQ867567 Sequence
19	631.4	99.1	3778	6	CQ867566 Sequence

20	628.2	98.6	645	8	PEARBCOSS
21	548.4	86.1	14105	12	AY572837
22	299.2	47.0	12072	12	AF294981
23	299.2	47.0	12942	12	AF294982
24	299.2	47.0	14203	12	AF294979
25	299.2	47.0	14230	12	AF294980
26	296.8	46.6	11522	12	AF309825
27	296.8	46.6	14103	12	AF330636
28	282	44.3	1675	6	CQ860281 Sequence
29	225.8	35.4	619	8	PEARUBPA
30	195.6	30.7	10212	12	AB086434
31	195.6	30.7	10856	12	AB086433
32	194.6	30.5	2061	8	PSRBCS3A
33	187.4	29.4	119656	6	I19656 Sequence 4
34	140	22.0	550	6	CQ857616 Sequence
35	140	22.0	581	6	CQ857612 Sequence
36	119.6	18.8	3180	8	MSRBCSK1A
37	105.4	16.5	674	8	PEARUBF2
38	105.4	16.5	1381	8	PSRBCS3C
39	92	14.4	669	8	PEARBPC
40	74.4	11.7	729	8	CAR131050
41	71.4	11.2	2124	6	AR014744
42	71.4	11.2	2124	6	AR022680 Sequence
43	71	11.1	320	6	AX528400 Sequence
44	65.8	10.3	165959	2	CR792429
45	65.6	10.3	390	8	TRRUBISCO
46	65.6	10.3	3974	8	TRRBPCC
47	65.2	10.2	806	8	AY220079
48	64.8	10.2	251797	2	EX890543
49	64.6	10.1	182738	2	CR407564
50	64.4	10.1	1261	8	BT012936
51	64.4	10.1	1341	8	LERBCS3C
52	64.4	10.1	70687	8	AP006376
53	64.4	10.1	202103	2	CR848044
54	64	10.0	195480	2	CR847999
55	64	10.0	250421	3	AE014849
56	63.6	10.0	2662	8	AY163904
57	63	9.9	110000	2	CR381548
58	62.6	9.8	680	8	CIPRBCS2
59	62.4	9.8	110572	8	AC147741
60	62.4	9.8	112032	2	AC145221
61	62.4	9.8	169546	2	AC004157
62	62.4	9.8	169800	2	CR847821
63	62	9.7	591	8	PVRBCS
64	62	9.7	182870	3	AC116960
65	61.8	9.7	291781	2	CR792436
66	61.6	9.7	849	8	PVRBCOS
67	61.6	9.7	2293	8	NPRBCS8B
68	61.6	9.7	2293	8	TOBRBCS8B
69	61.6	9.7	2362	8	NTRUBSS
70	61.6	9.7	160295	10	AC122884
71	61.6	9.7	170627	2	AC125567
72	61.6	9.7	192800	2	AC113288
73	61.6	9.7	202676	2	CR788311
74	61.4	9.6	1629	8	STRBCS2
75	61.4	9.6	5487	6	AX346500
76	61.4	9.6	84550	3	PFMAL1P2_3
77	61.2	9.6	1032	8	TOBRBCSA
78	61	9.6	1027	8	TOBRBCSC
79	61	9.6	1520	8	LERBCS3A
80	61	9.6	2671	8	CIP2RSS
81	60.8	9.5	17183	6	AX345388
82	60.6	9.5	228285	2	CR391925
83	60.4	9.5	515	8	AF411547
84	60.4	9.5	732	8	AF056315
85	60.4	9.5	835	8	AY231451
86	60.4	9.5	330050	3	PFA929355
87	60.2	9.5	796	8	NSRUB1
88	60	9.4	453	8	TOBRBPC
89	60	9.4	105682	2	AC116957_3
90	60	9.4	125632	2	CR753868
91	60	9.4	145598	2	AC008132
92	60	9.4	156395	2	CR387986

M21375	Pisum sativ
AY572837	Cloning v
AF294981	Binary ve
AF294982	Binary ve
AF294979	Binary ve
AF294980	Binary ve
AF309825	Plant exp
AF330636	Plant DNA
CQ860281	Sequence
J01257	Pea (p.sati
AB086434	Synthetic
AB086433	Synthetic
X04333	Pea rbcS-3A
I19656	Sequence 4
CQ857616	Sequence
CQ857612	Sequence
X96847	M.sativa Rb
M25613	Pisum sativ
X04334	Pea rbcS-3C
J01256	Pisum sativ
AJ131050	Cicer ari
AR014744	Sequence
AR022680	Sequence
AX528400	Sequence
CR792429	Danio rer
X53954	T.repens mR
X52293	White clove
AY220079	Nicotiana
EX890543	Danio rer
CR407564	Danio rer
BT012936	Lycopersi
X05986	Tomato rbcS
AP006376	Lotus cor
CR848044	Danio rer
CR847999	Danio rer
AE014849	Plasmodiu
AY163904	Chrysanth
CR381548	Danio rer
M38116	Mesembryant
AC147741	Medicago
AC145221	Medicago
AC004157	Plasmodiu
CR847821	Danio rer
X59999	P.vulgaris
AC116960	Dictyoste
CR792436	Danio rer
X60000	P.vulgaris
X13711	Nicotiana p
M36685	N.plumbagin
X02353	Tobacco gen
AC122884	Mus muscu
AC125567	Rattus no
AC13288	Mus muscu
CR788311	Danio rer
X69760	S.tuberosum
AX346500	Sequence
Continuation (4 of	
M13542	Tomato (l.e
M13544	Tomato (l.e
X05984	Tomato rbcS
L10214	Mesembryant
AX345388	Sequence
CR391925	Danio rer
AF411547	Medicago
AF056315	Medicago
AY231451	Arabidops
AL929355	Plasmodiu
X01722	Nicotiana s
J01308	Nicotiana s
Continuation (4 of	
CR753868	Danio rer
AC008132	Homo sapi
CR387986	Danio rer